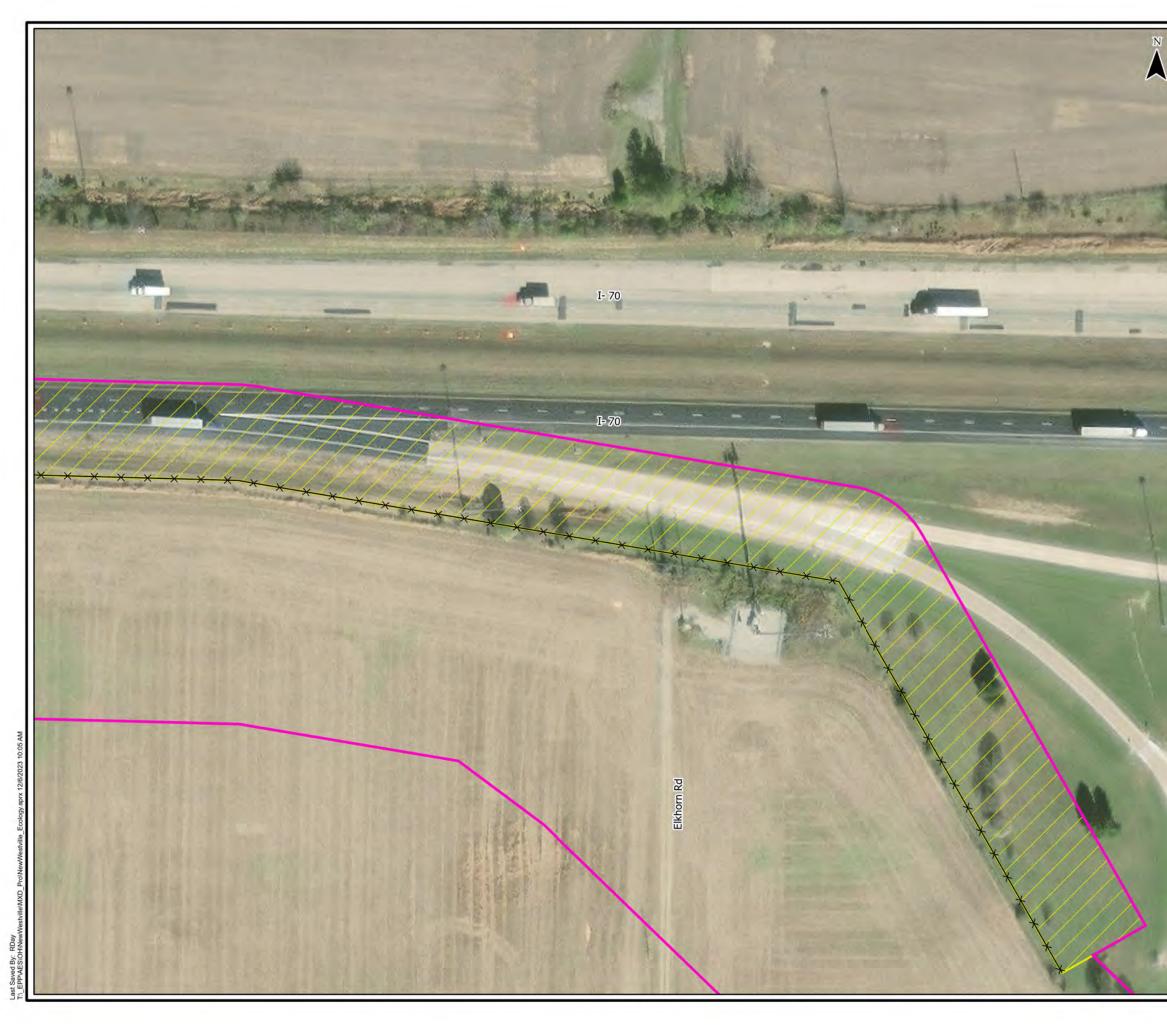
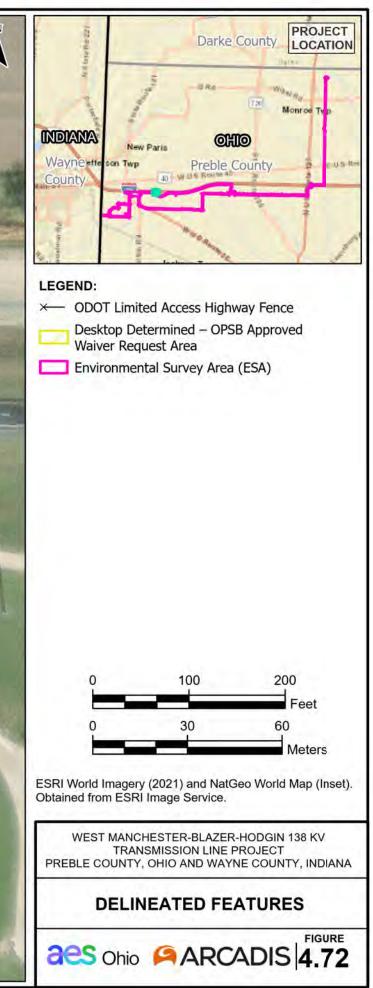


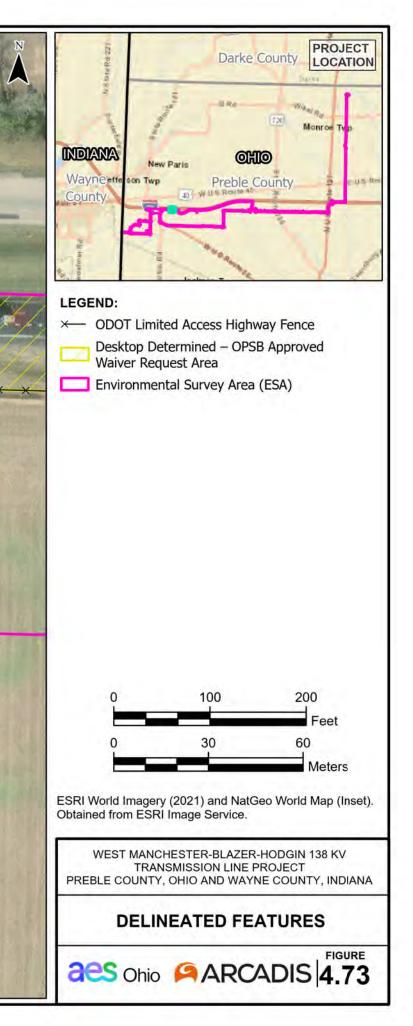
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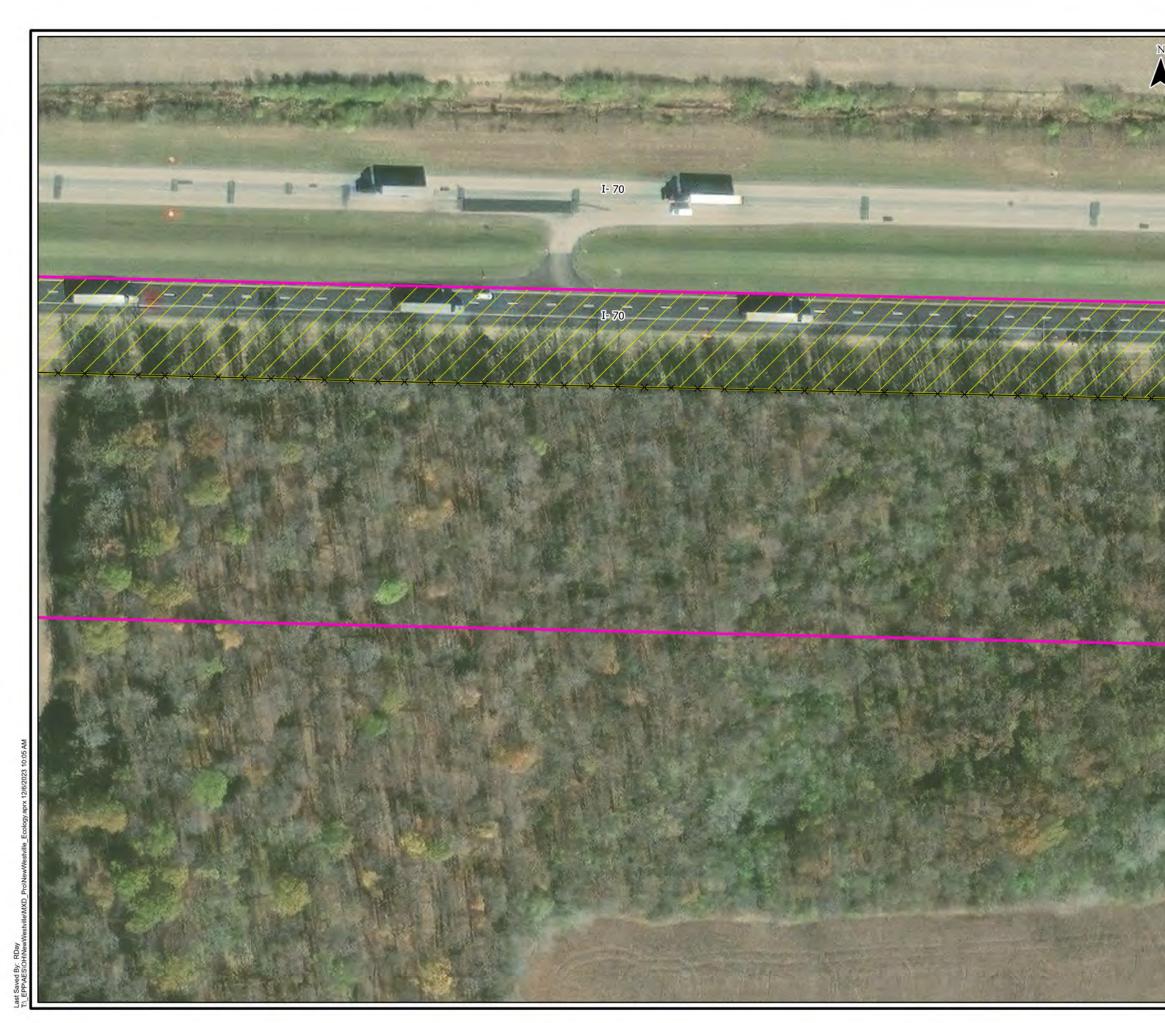


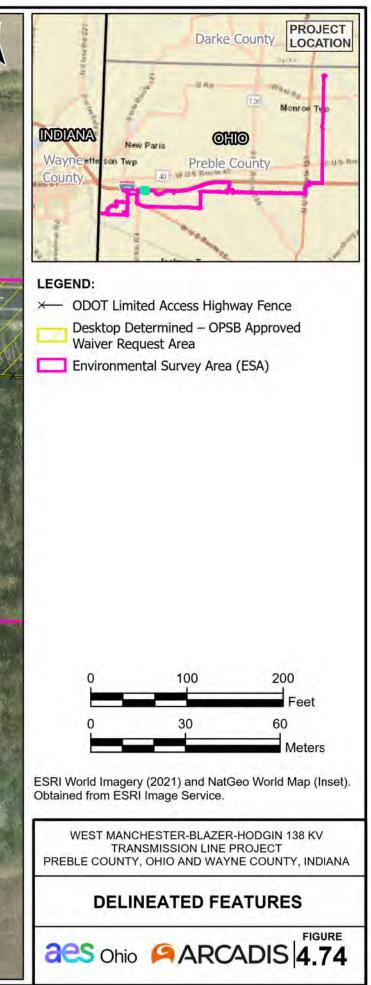


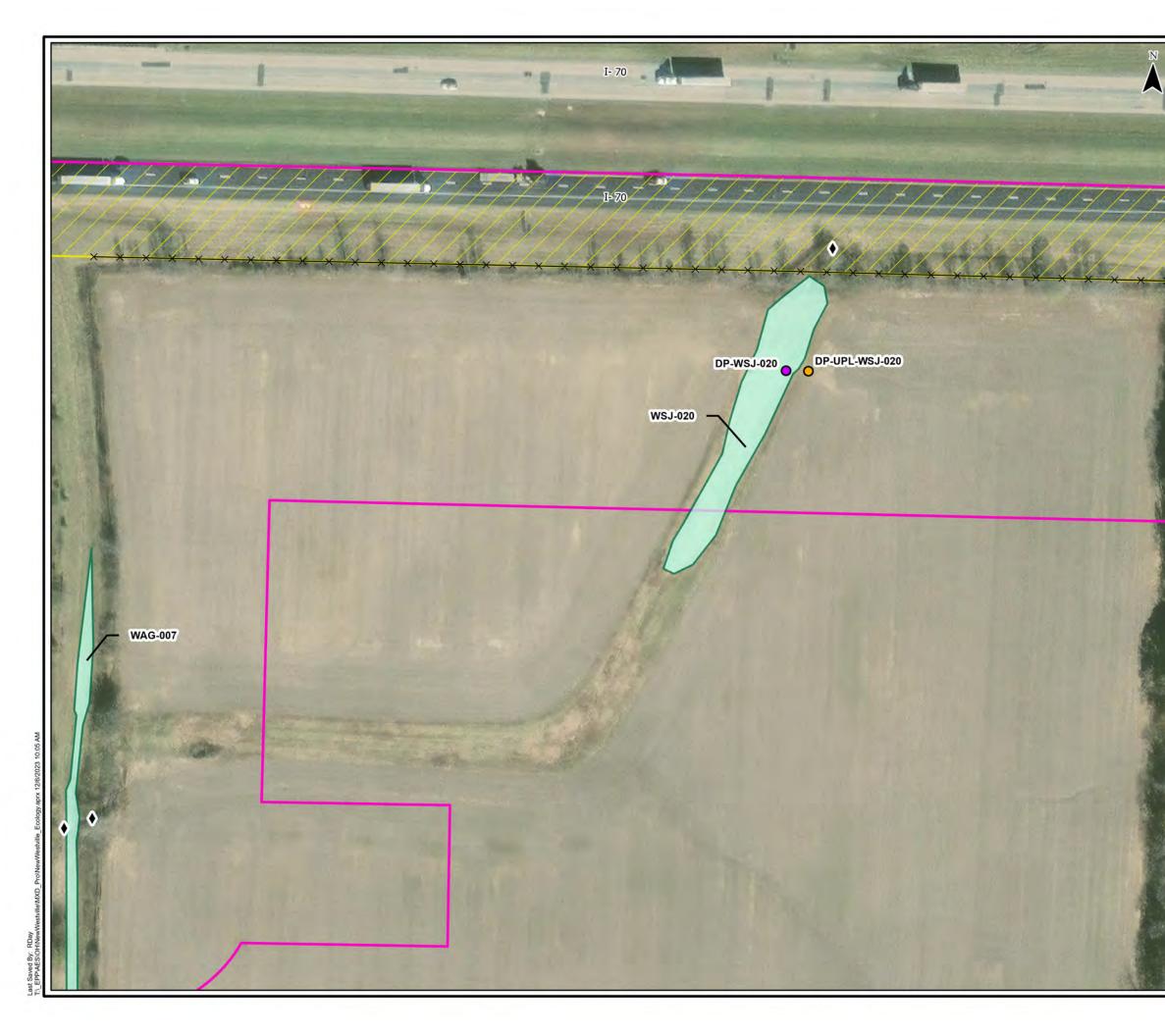


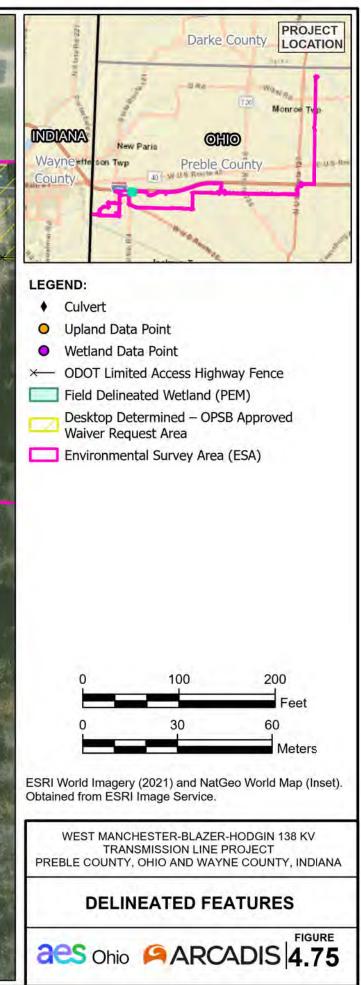
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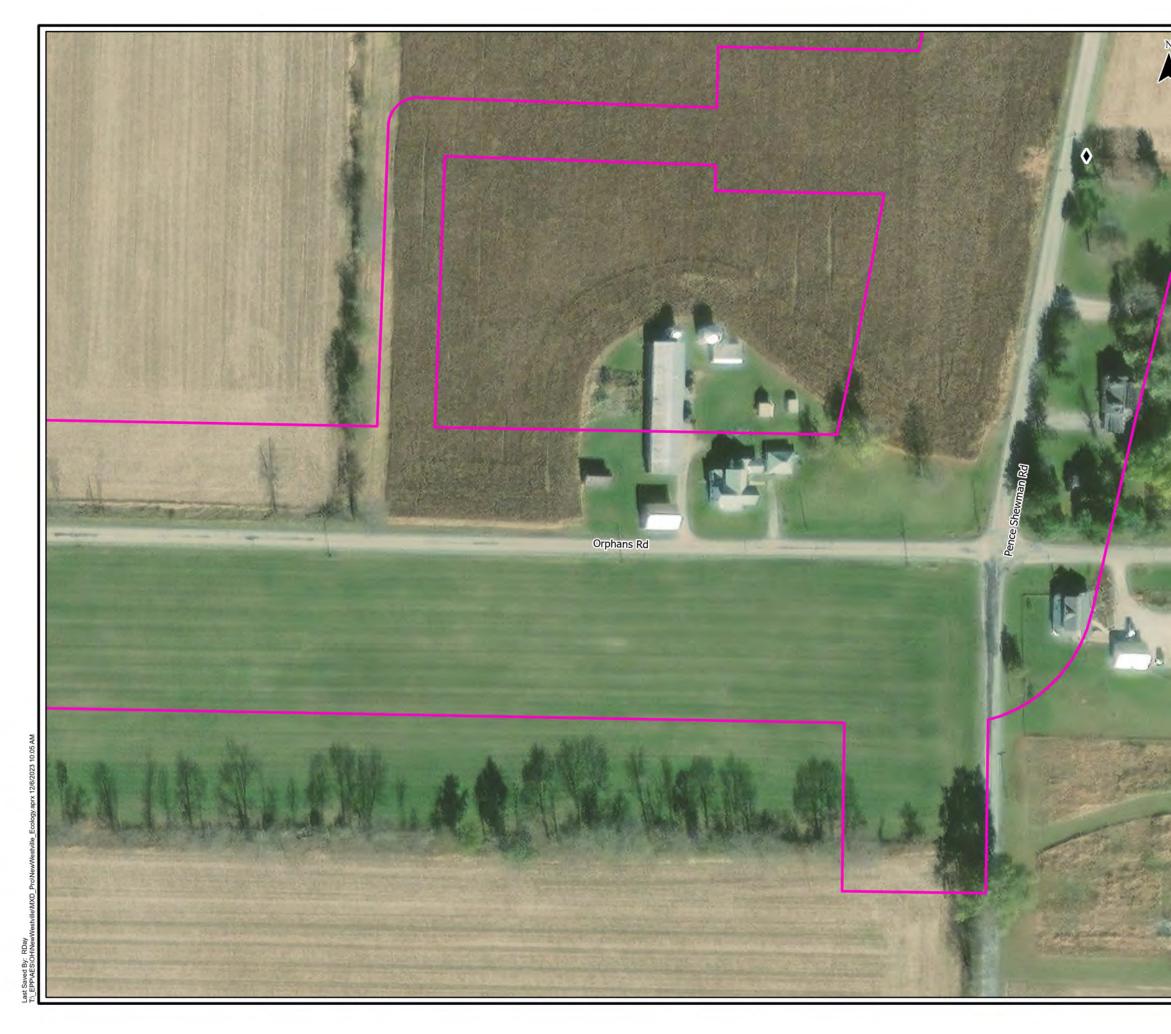


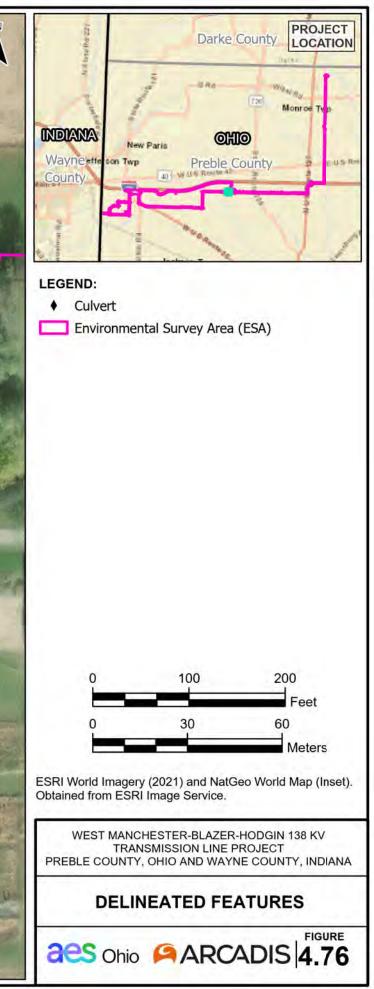


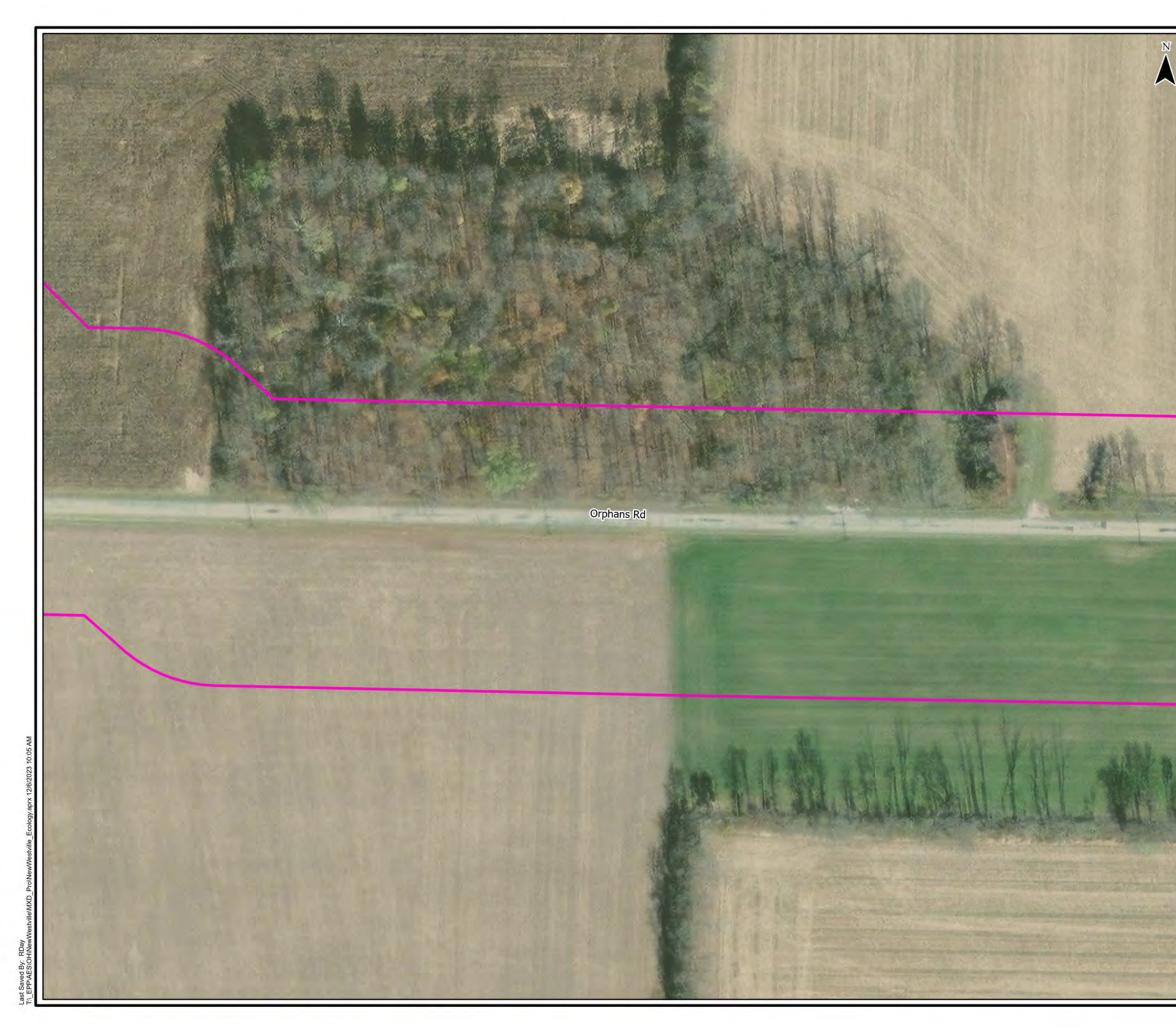






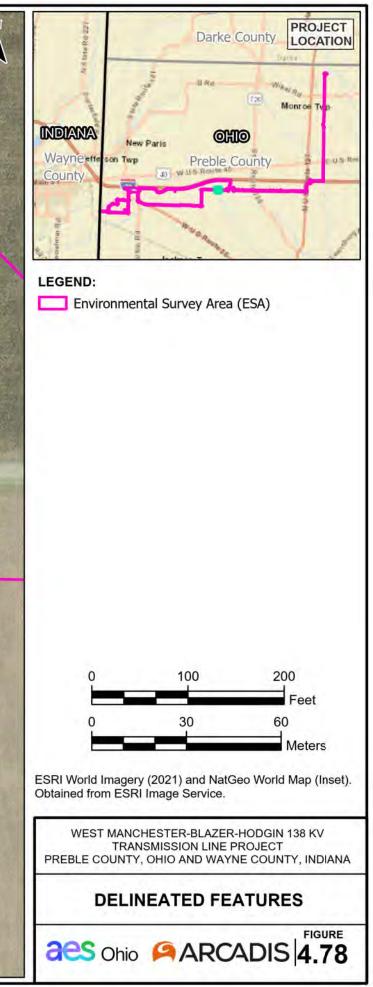


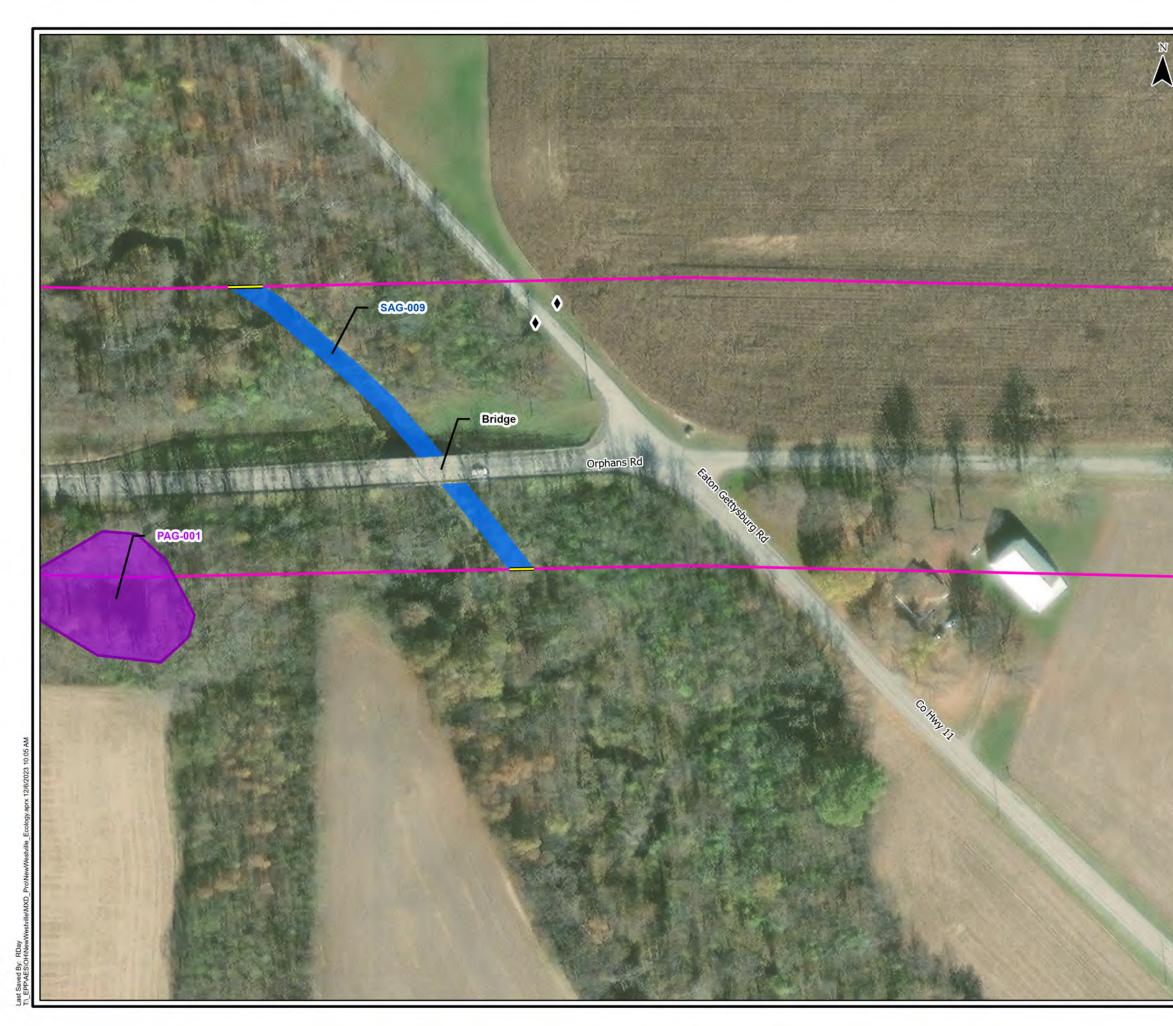


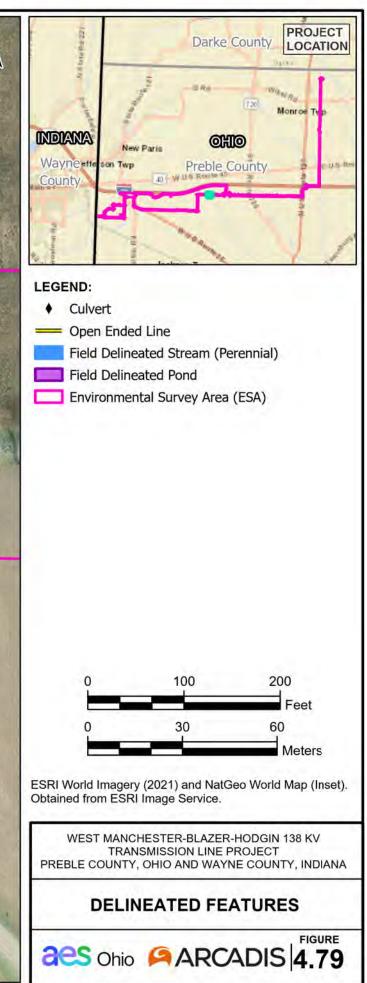




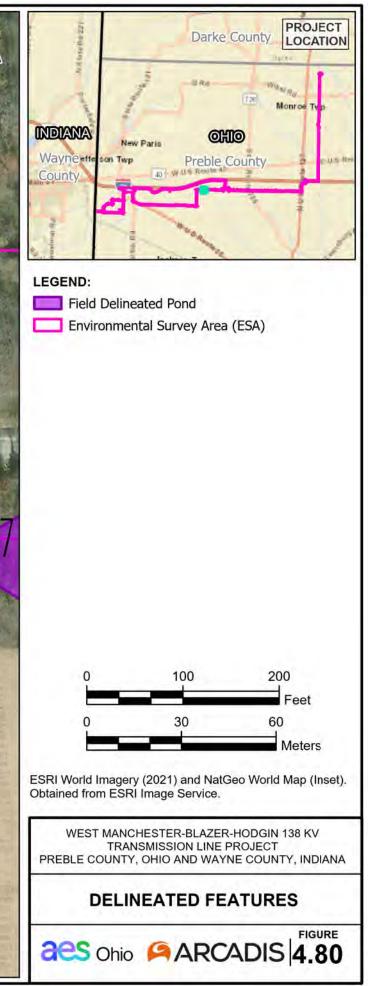


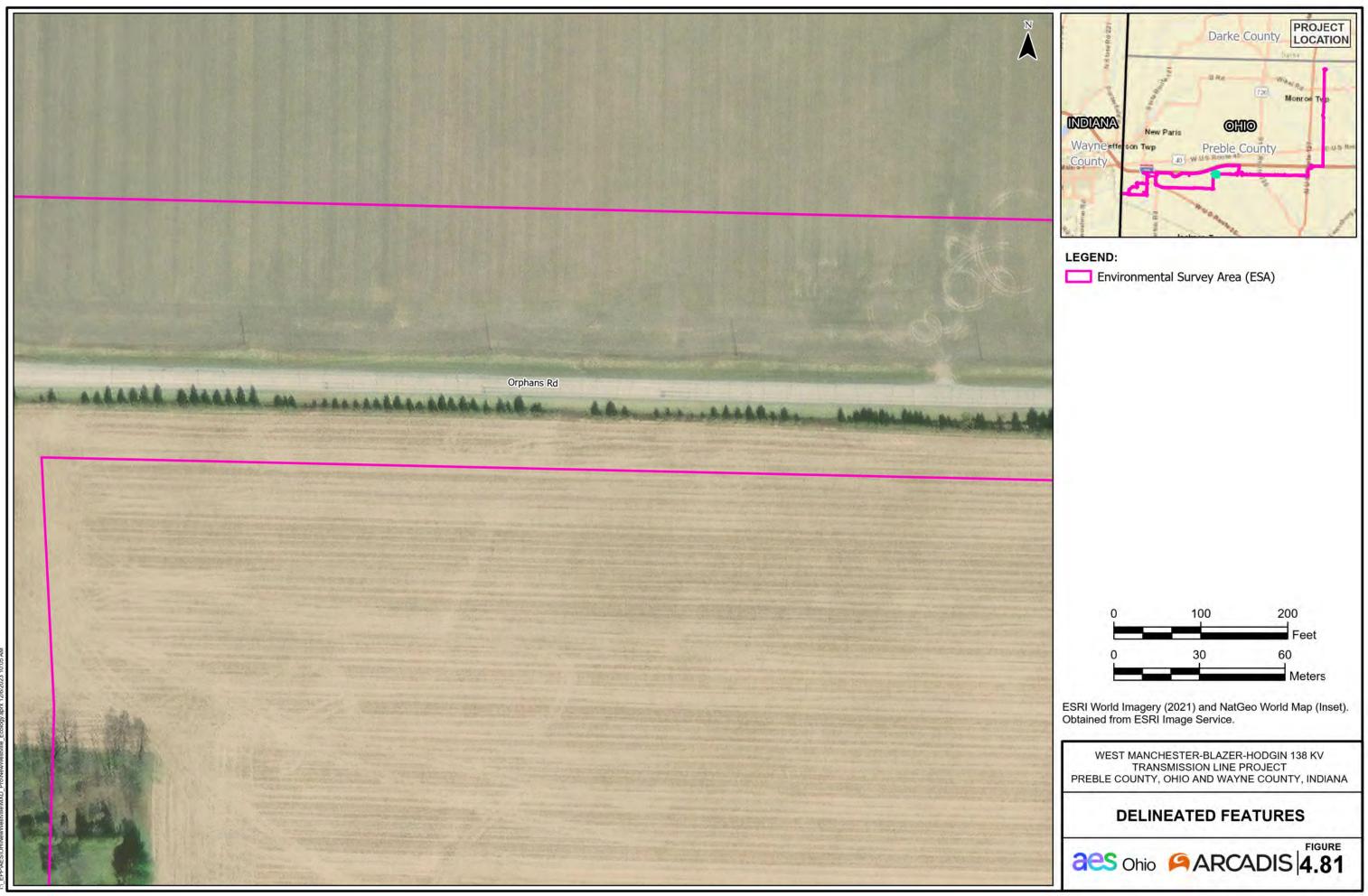




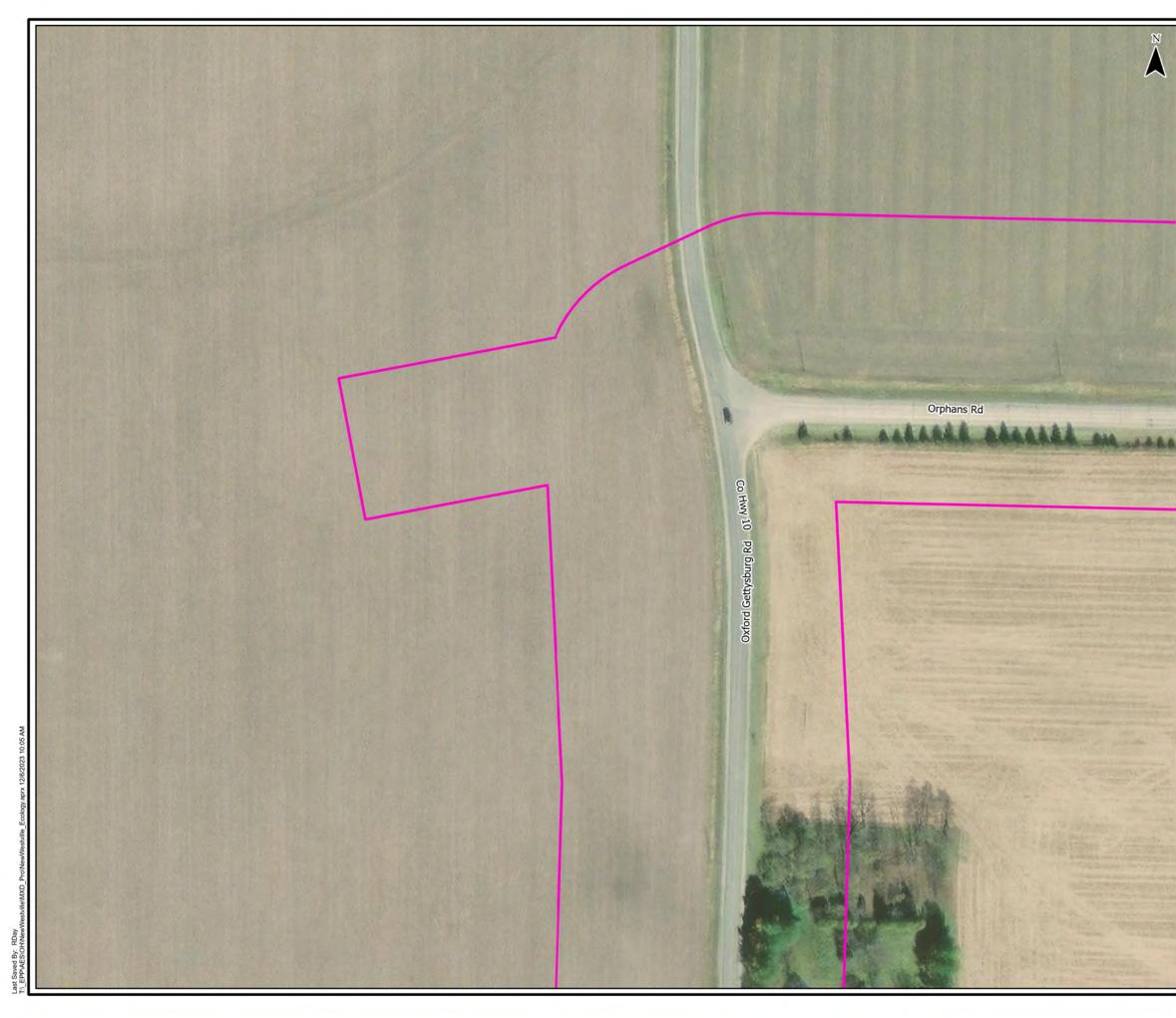


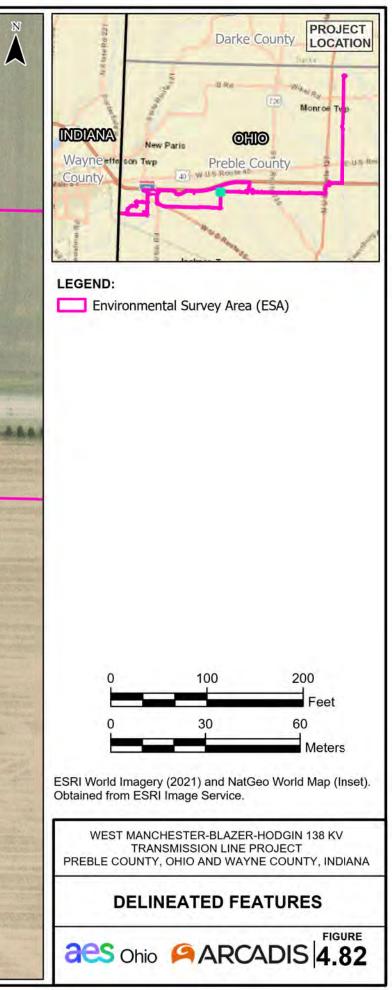




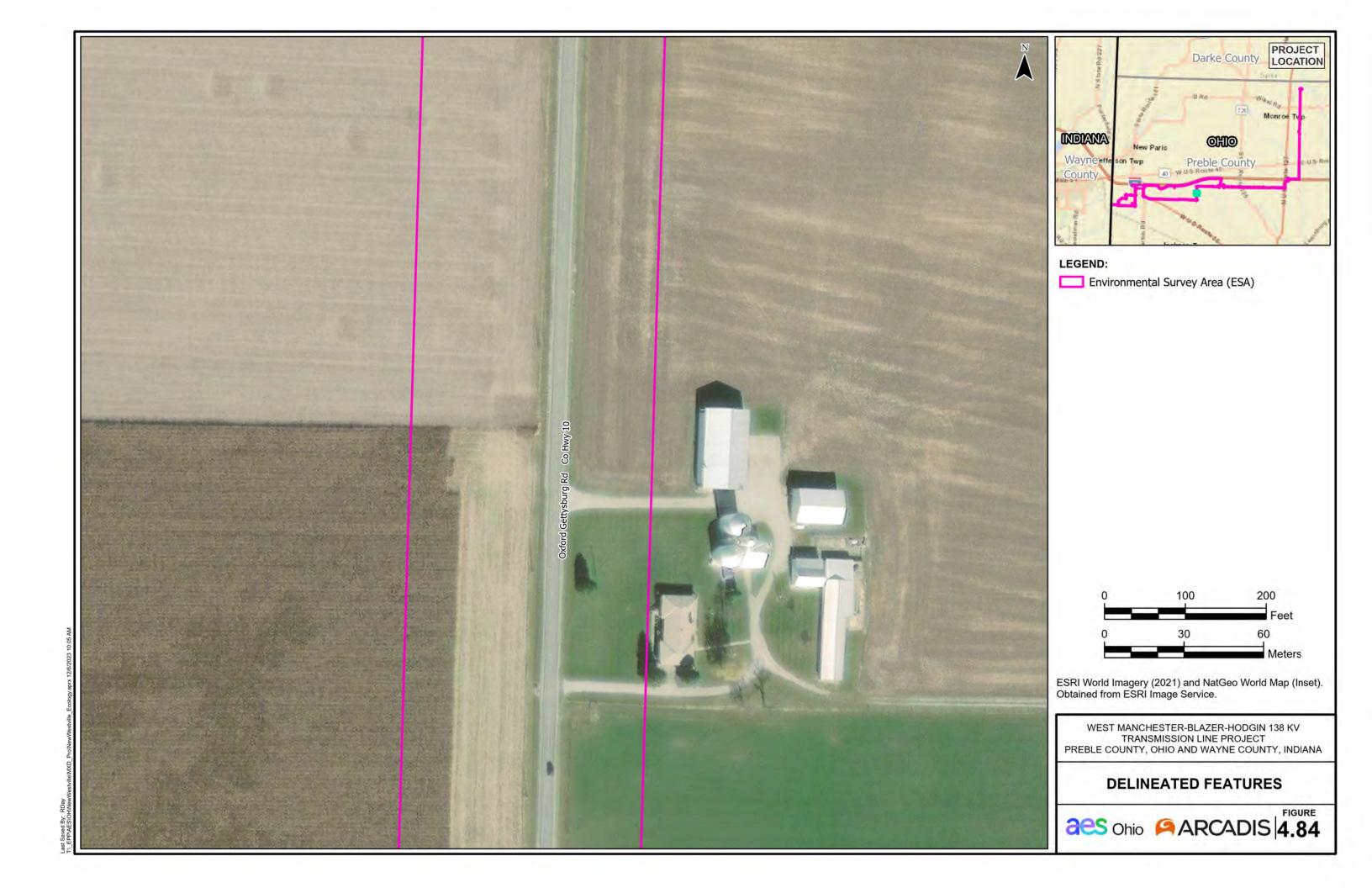


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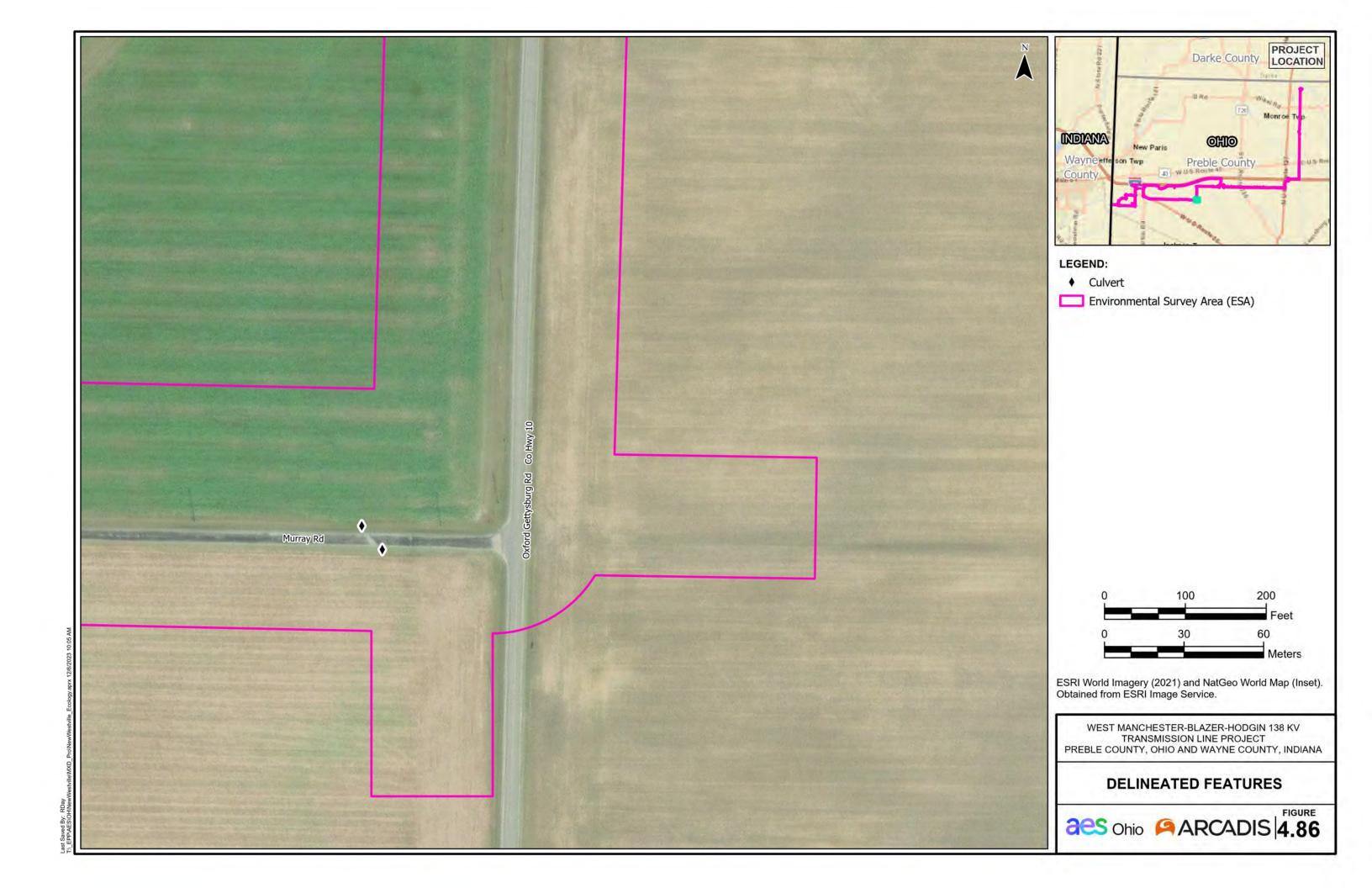




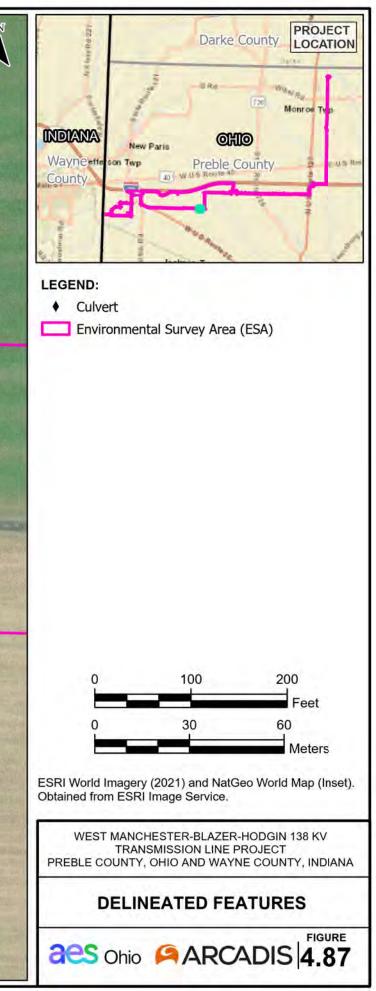






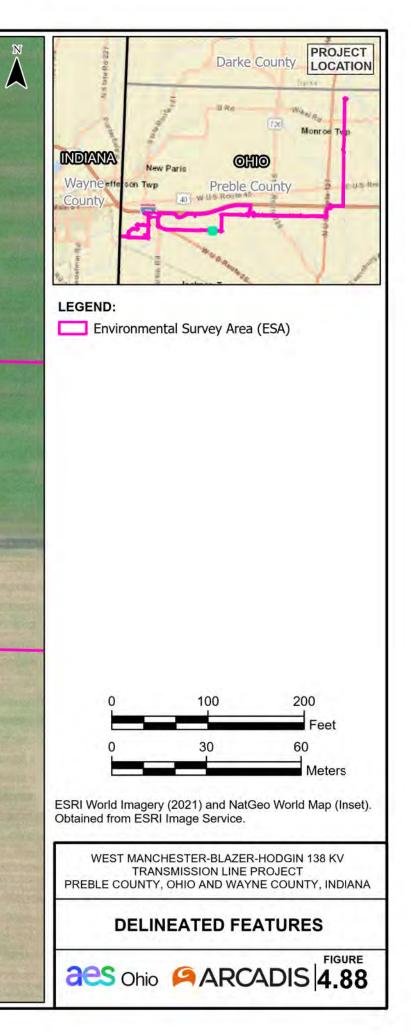


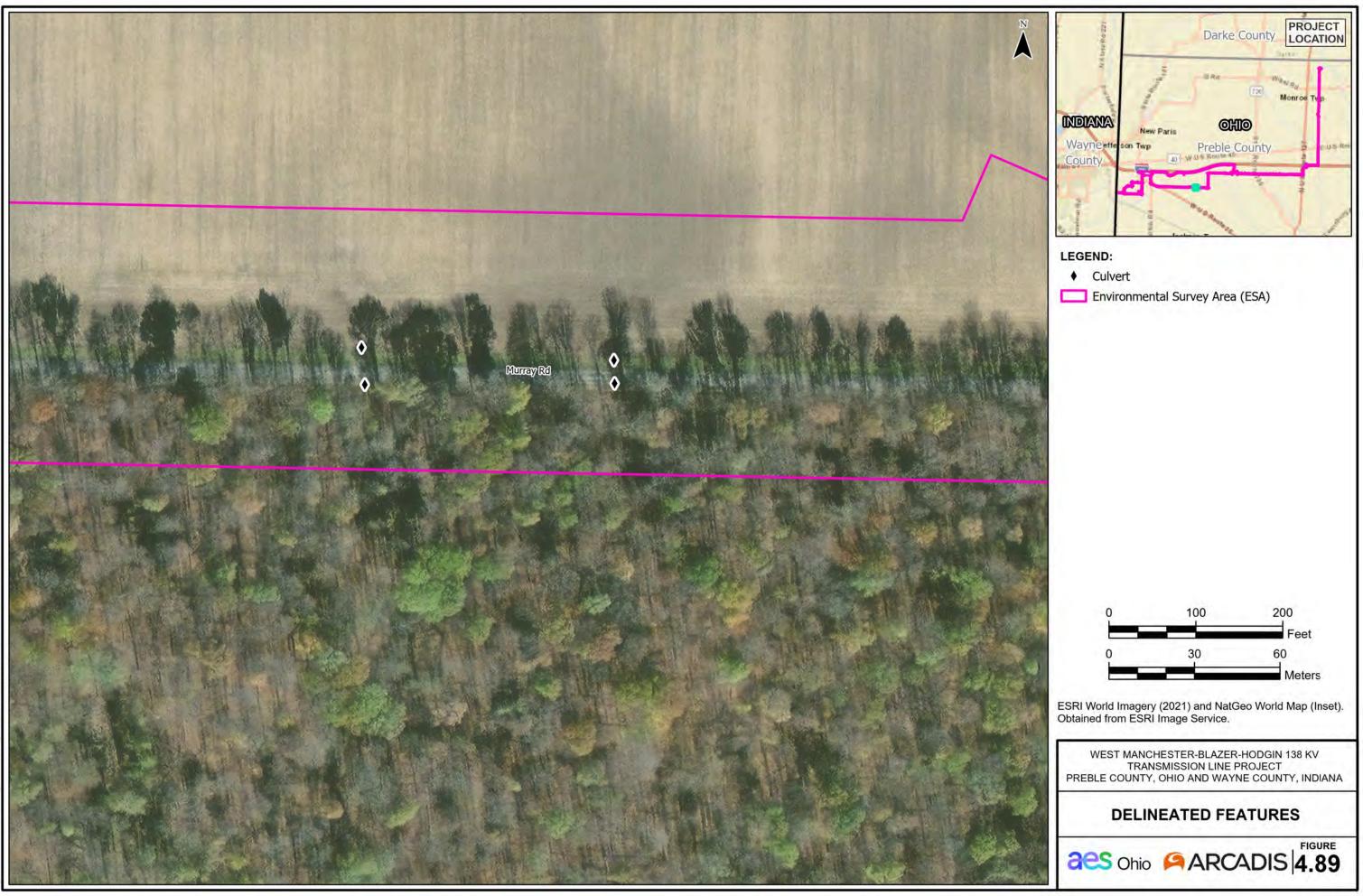






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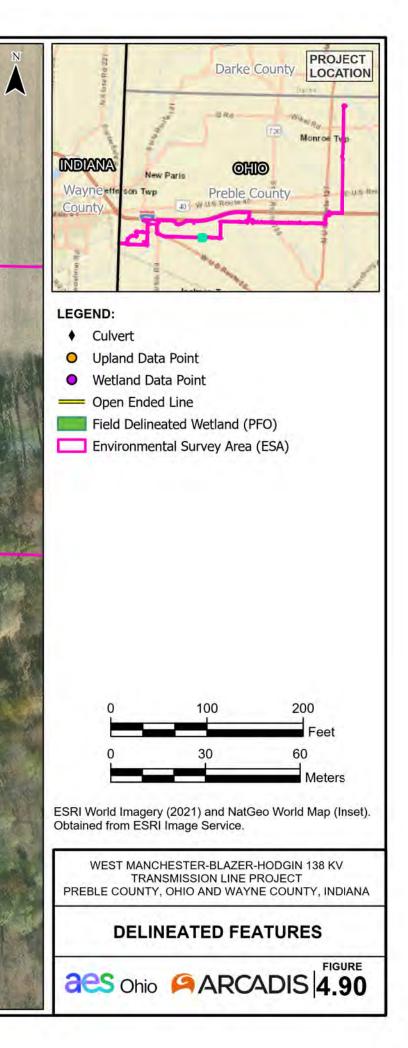




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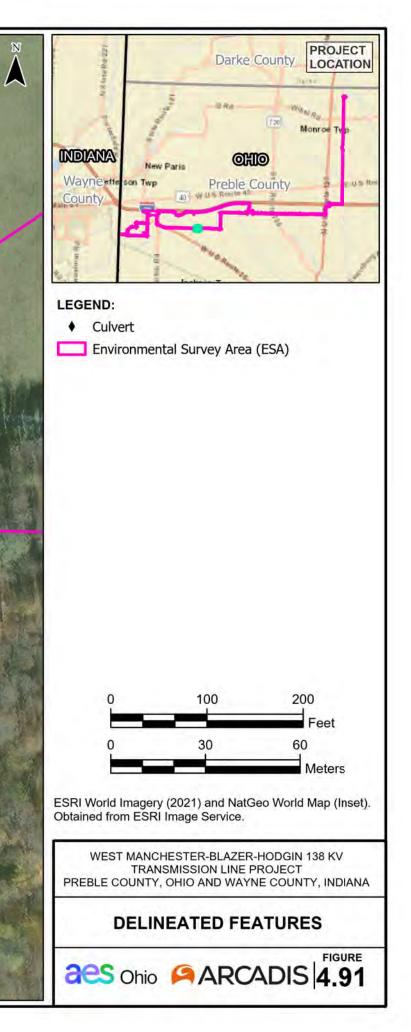


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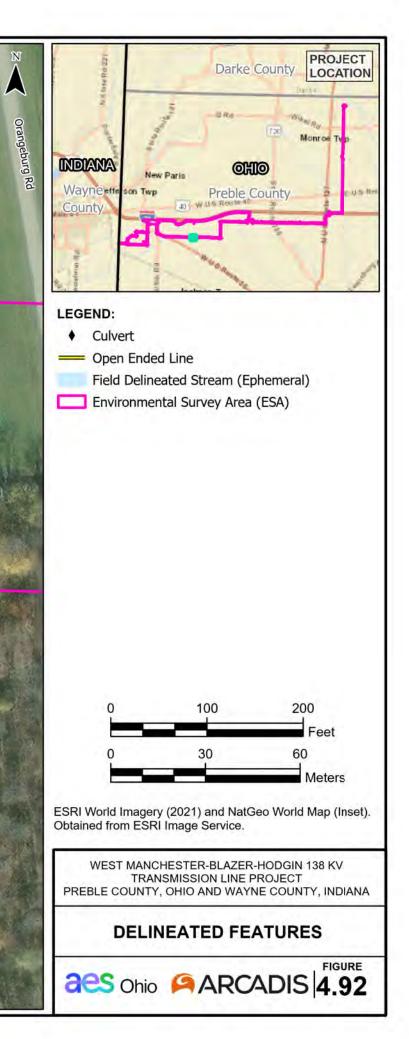


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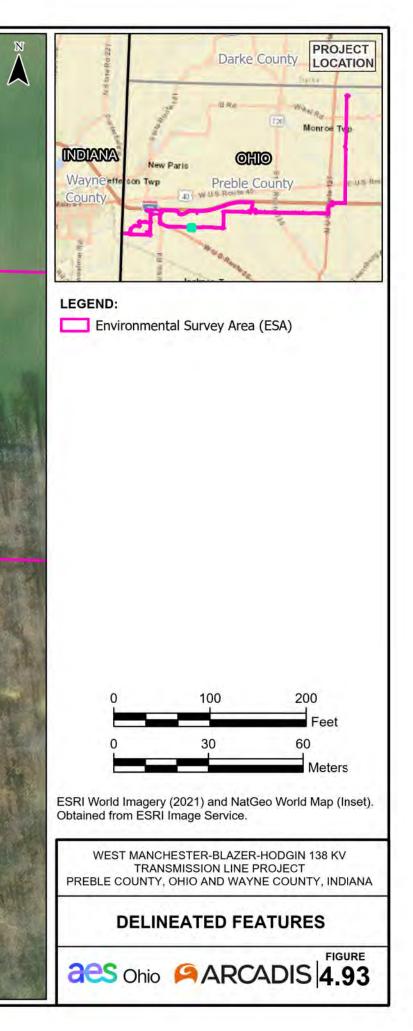


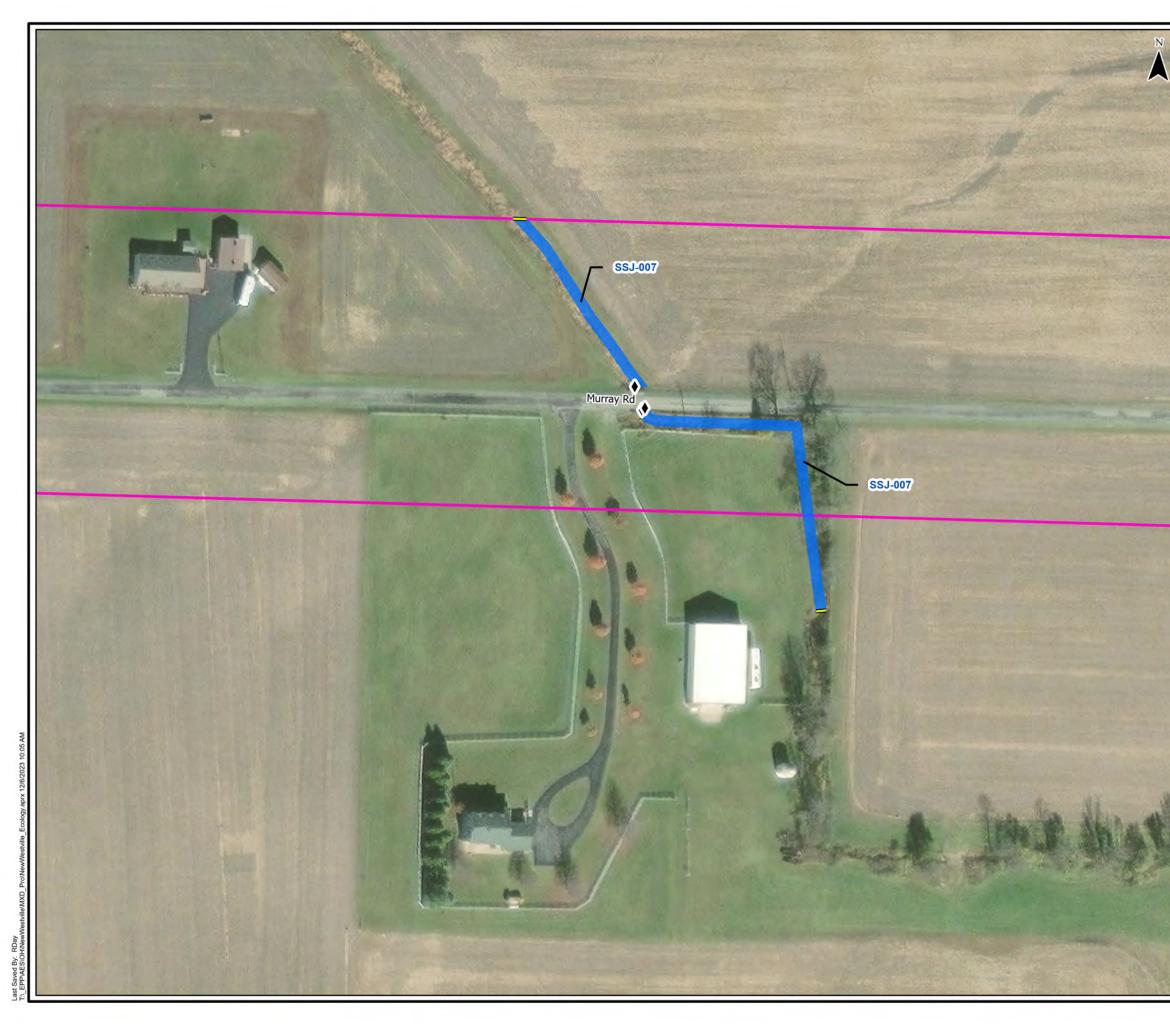
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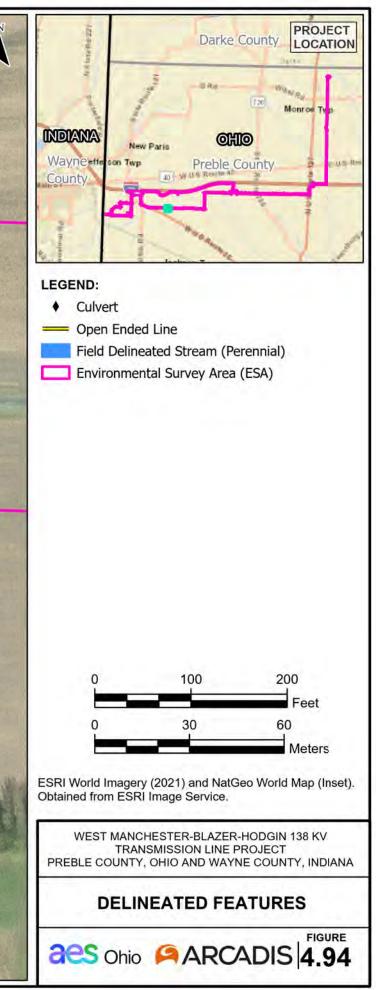




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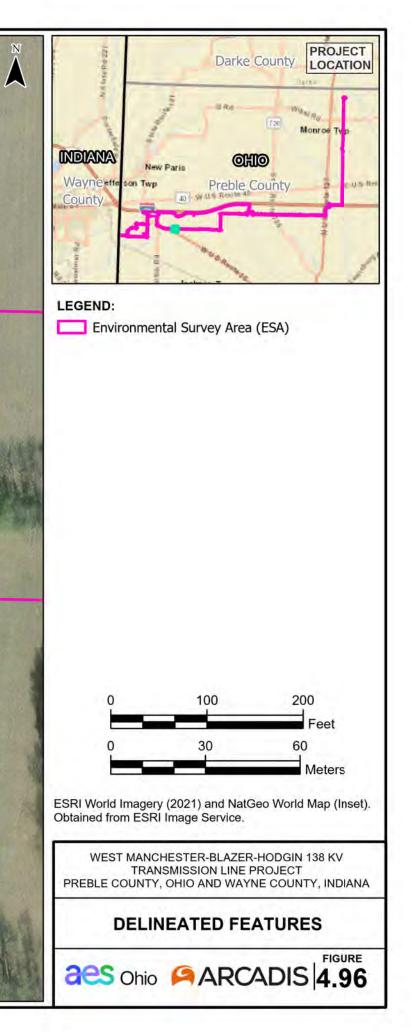


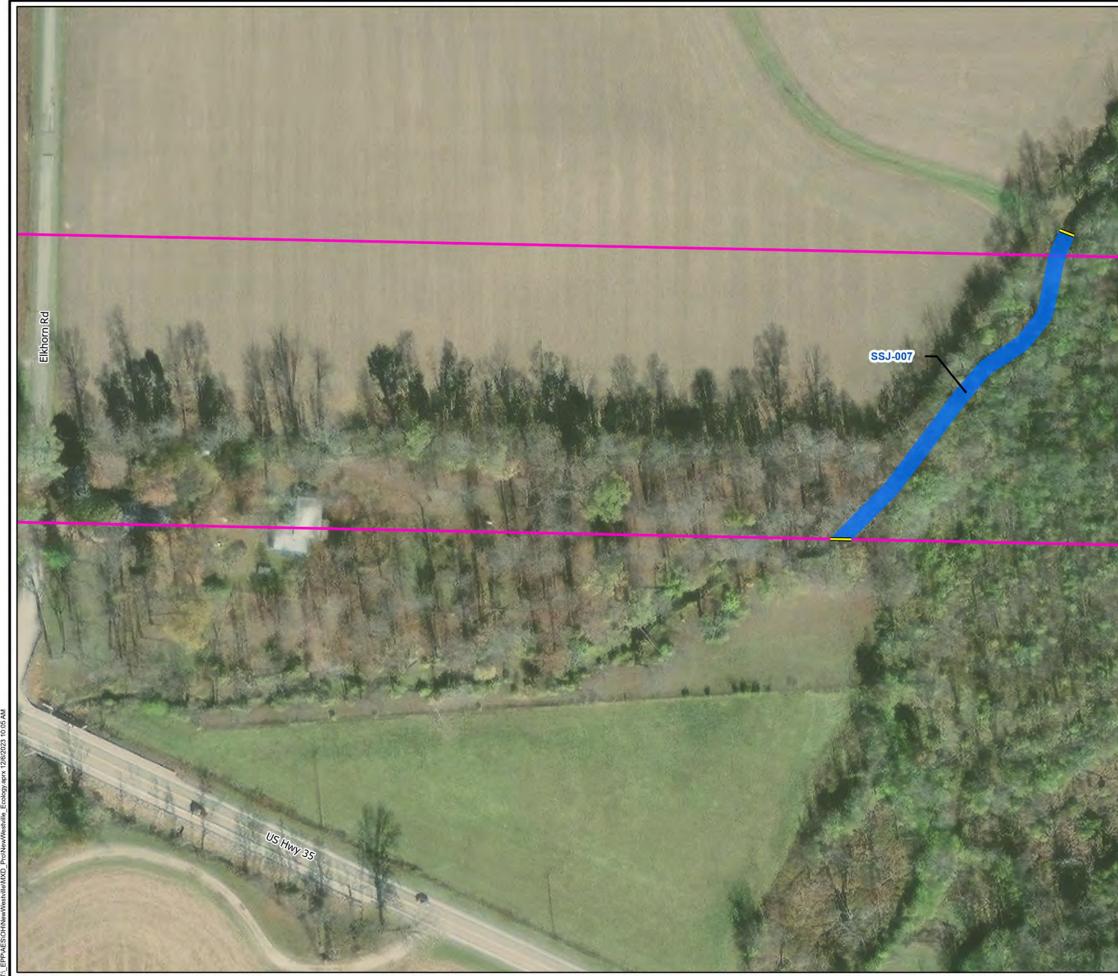




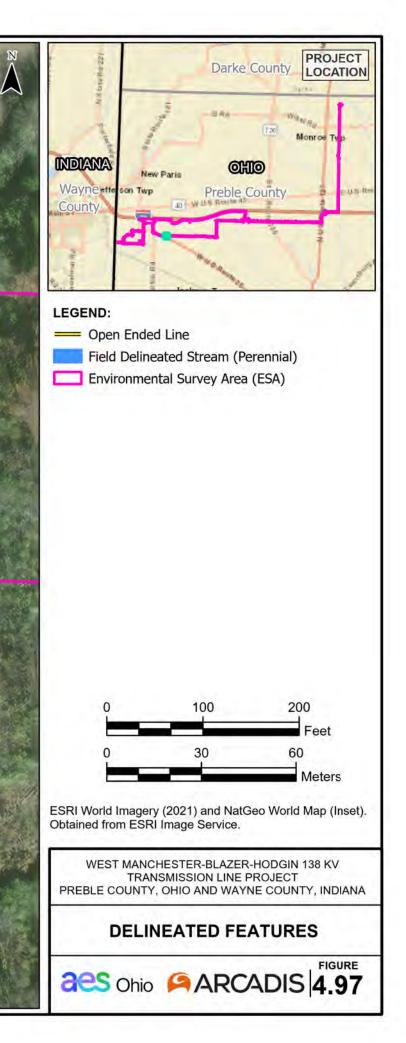


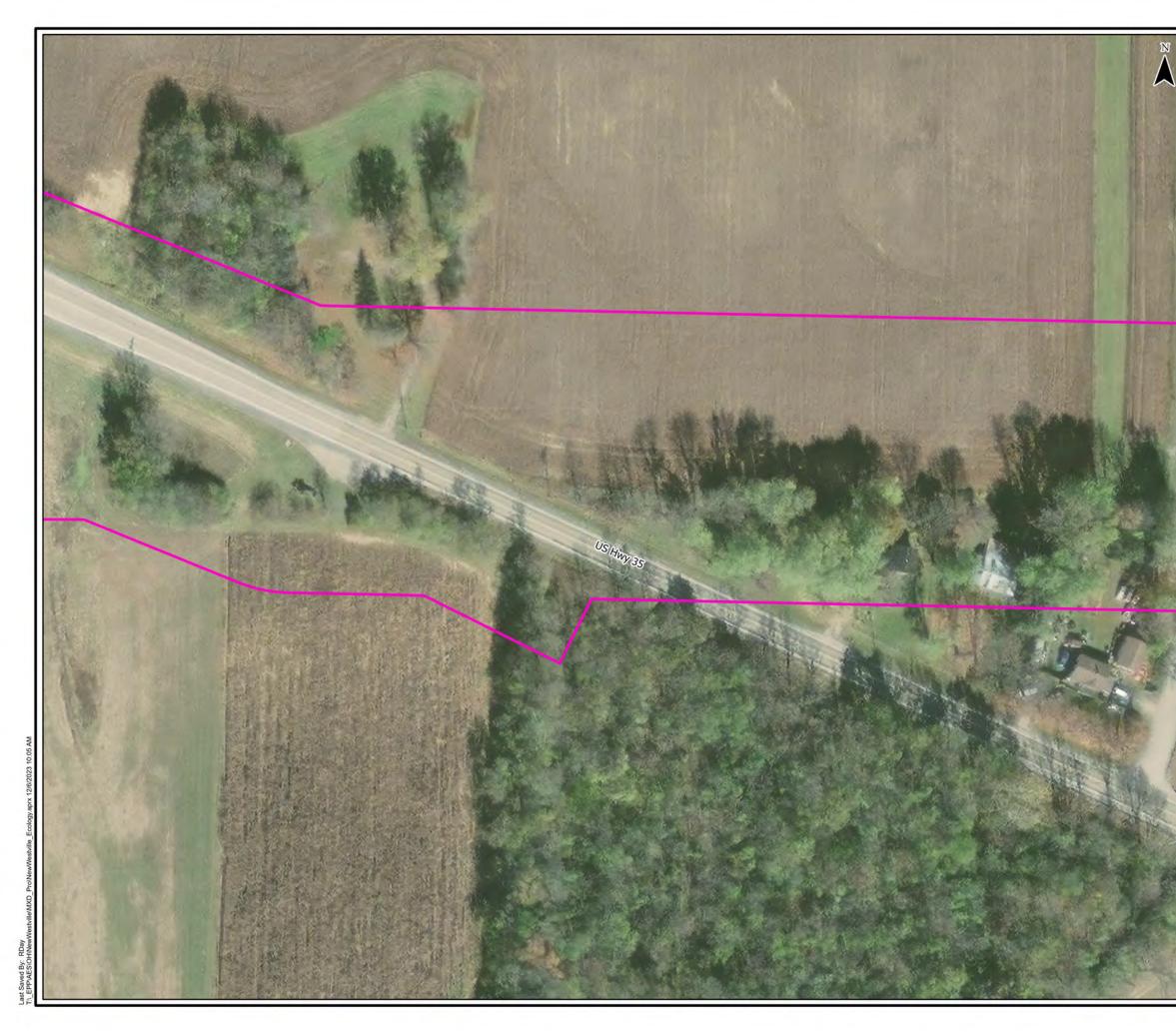
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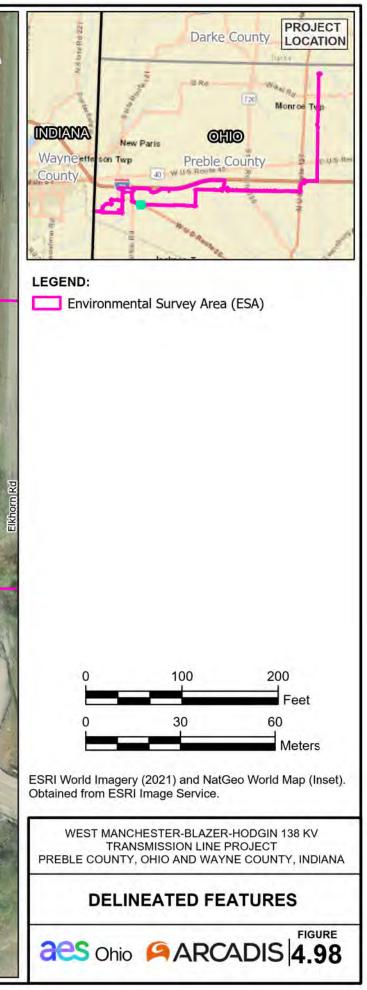


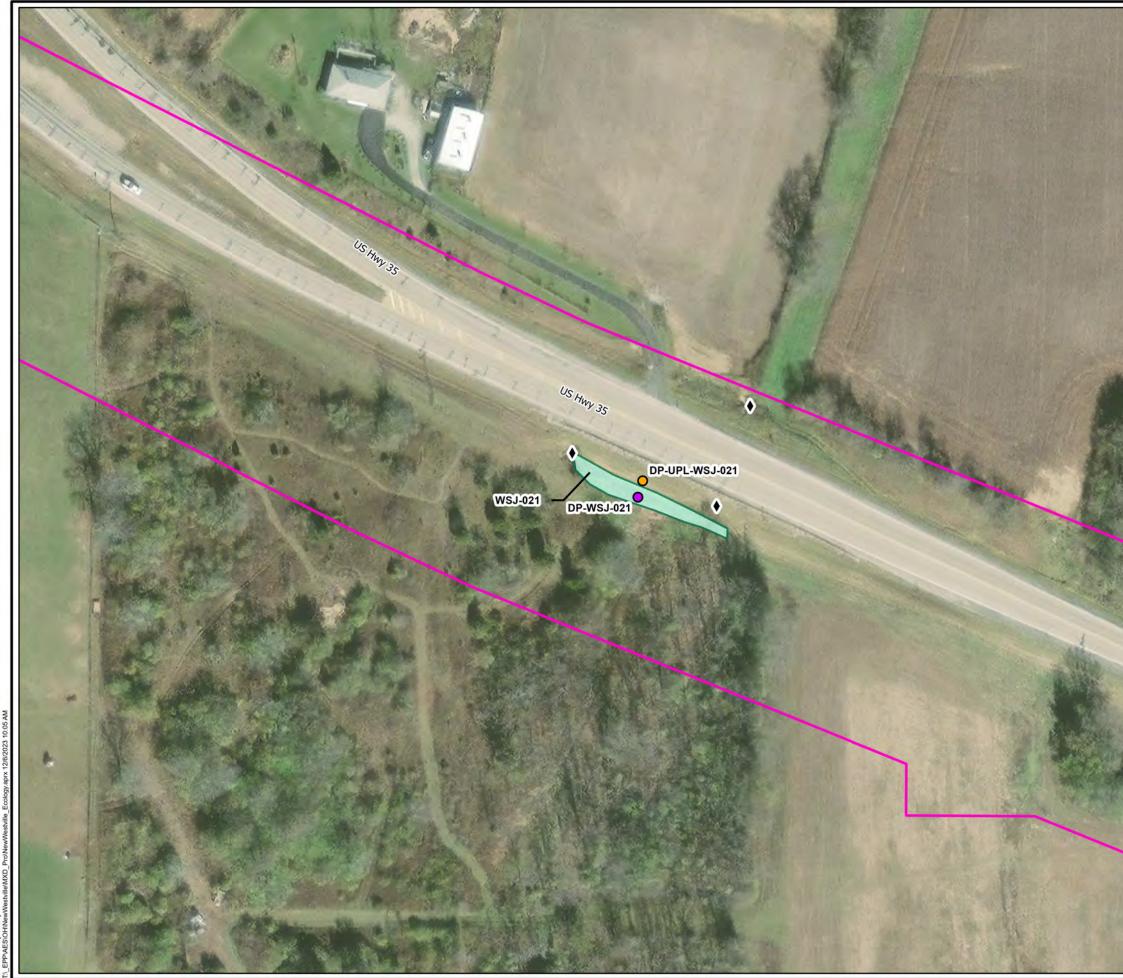


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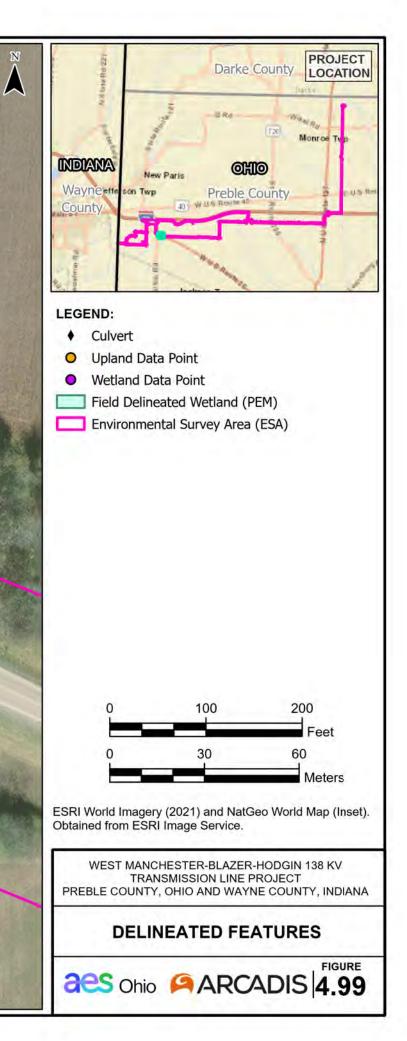


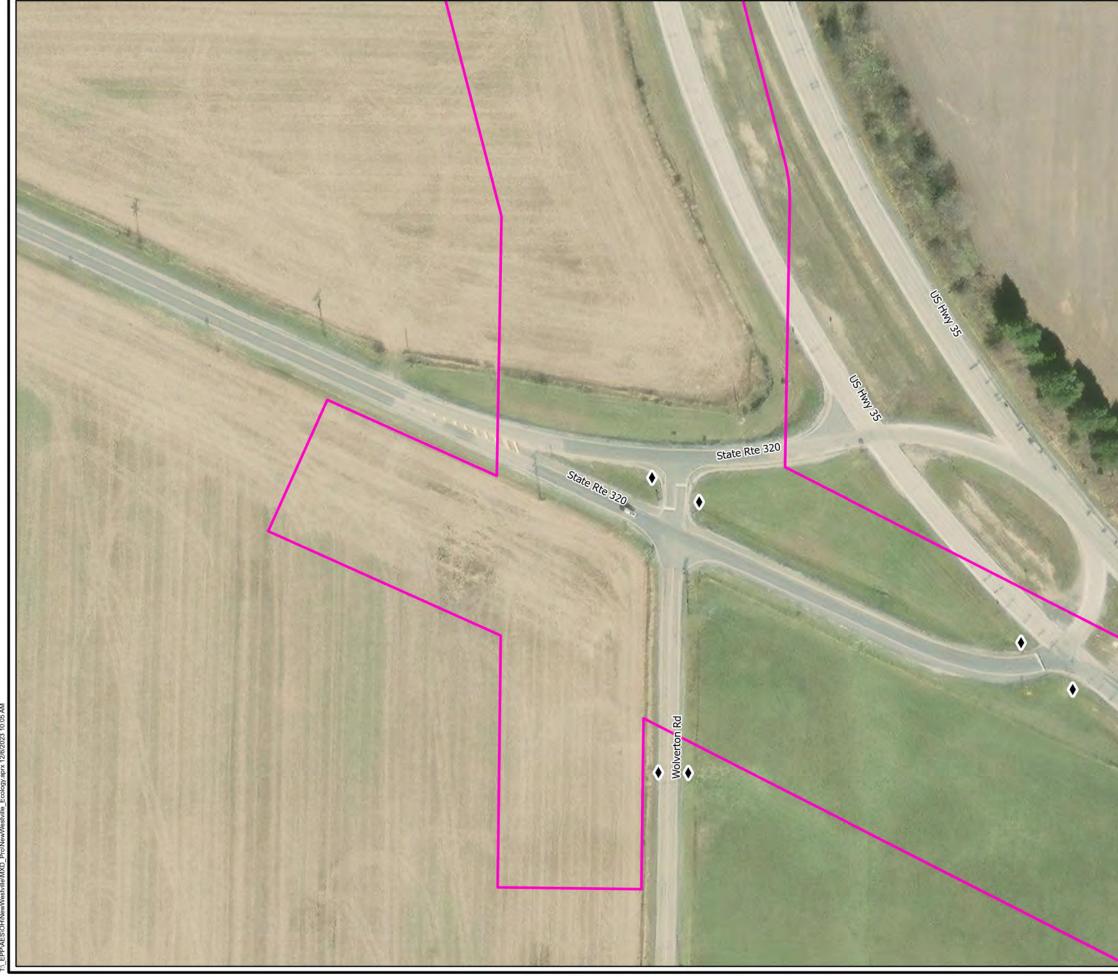




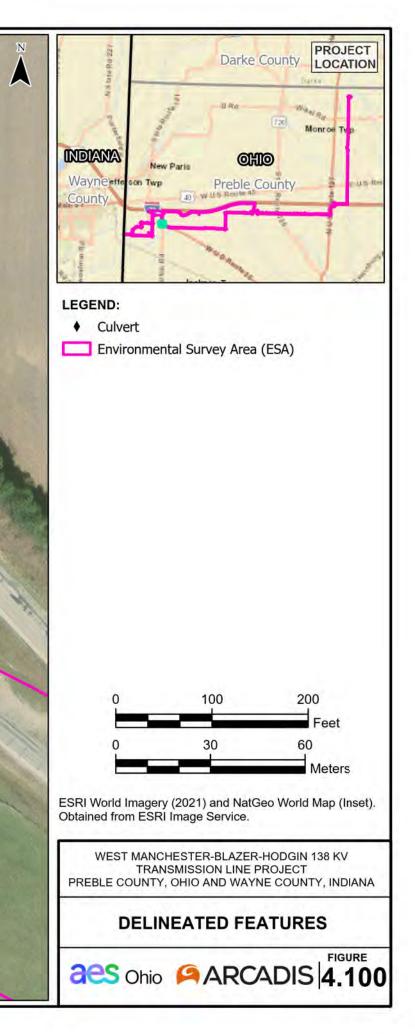


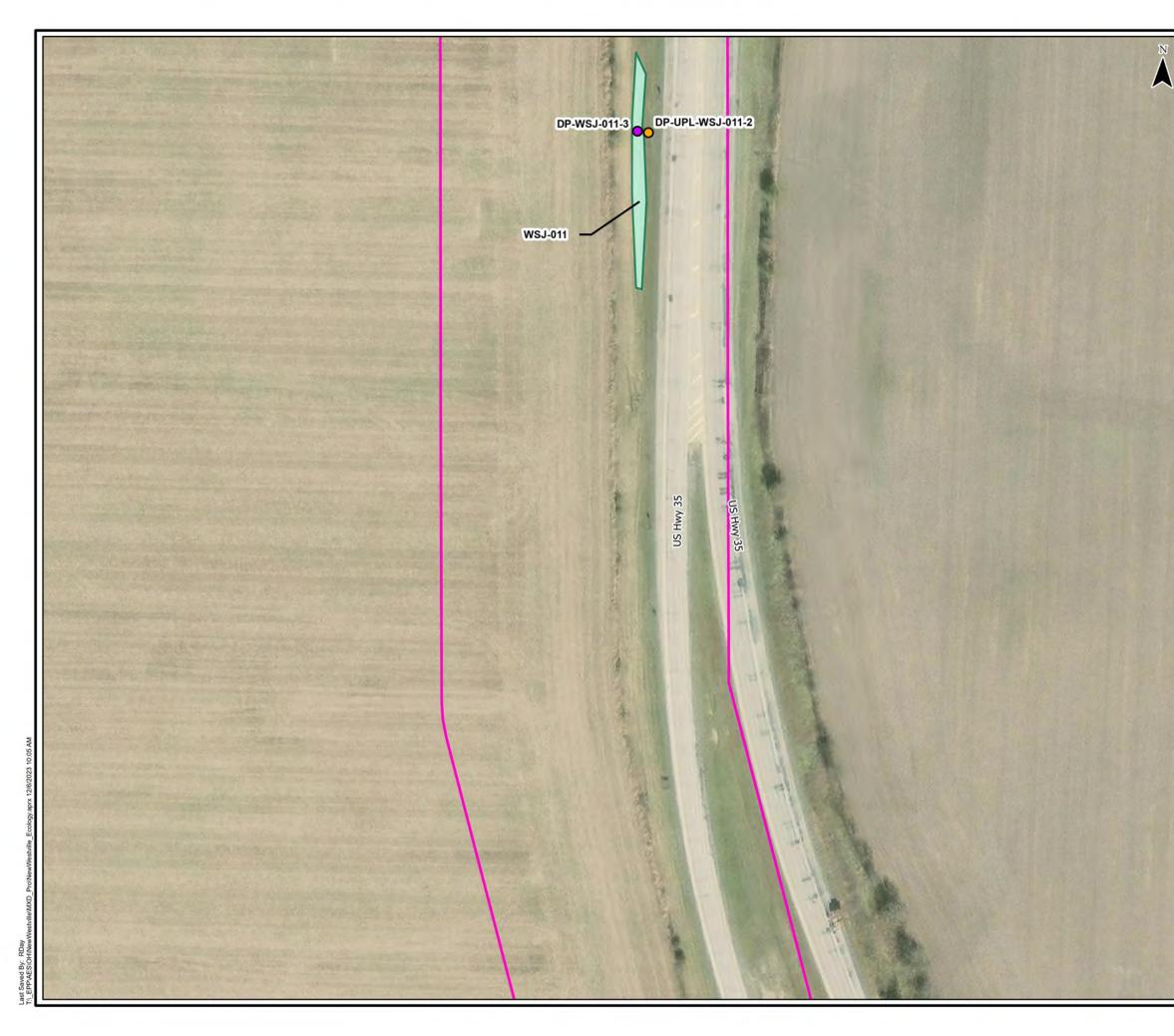
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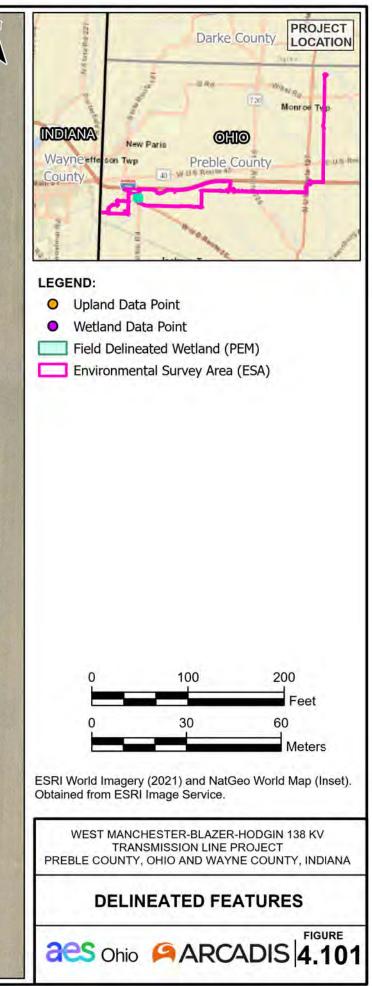




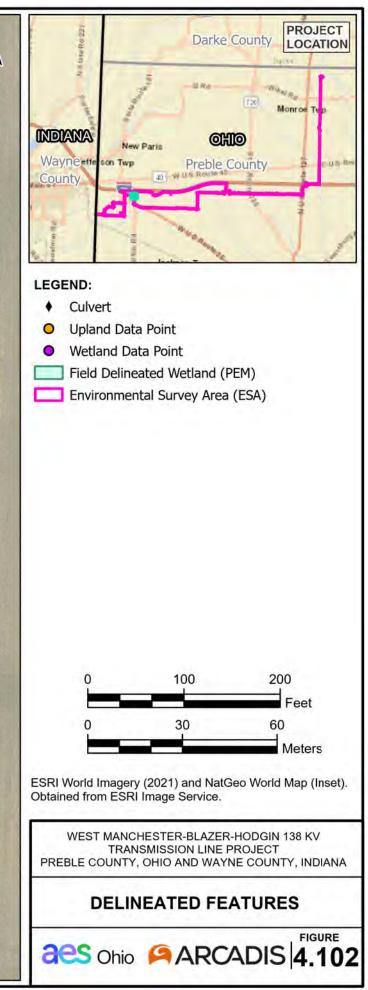
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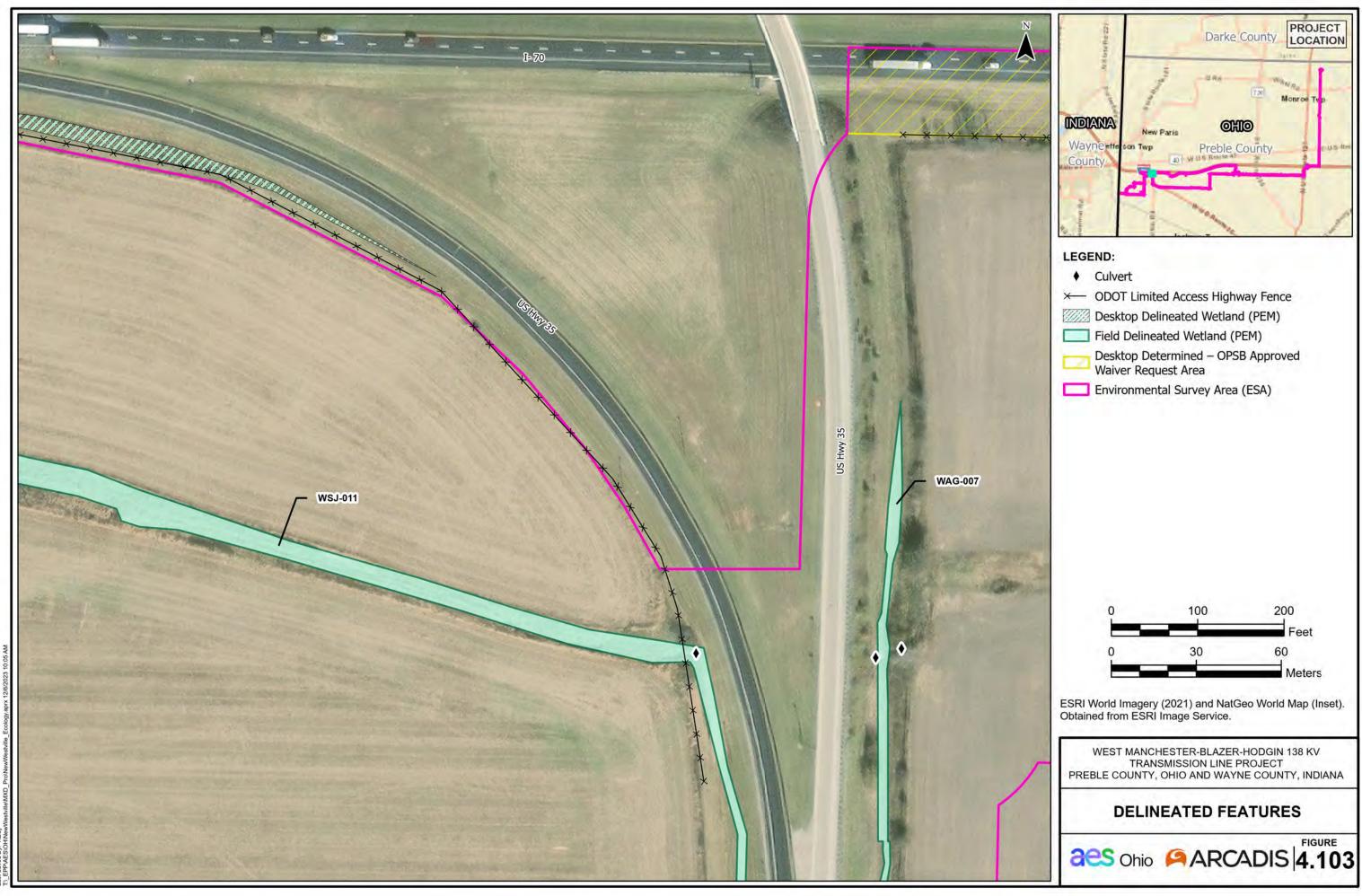






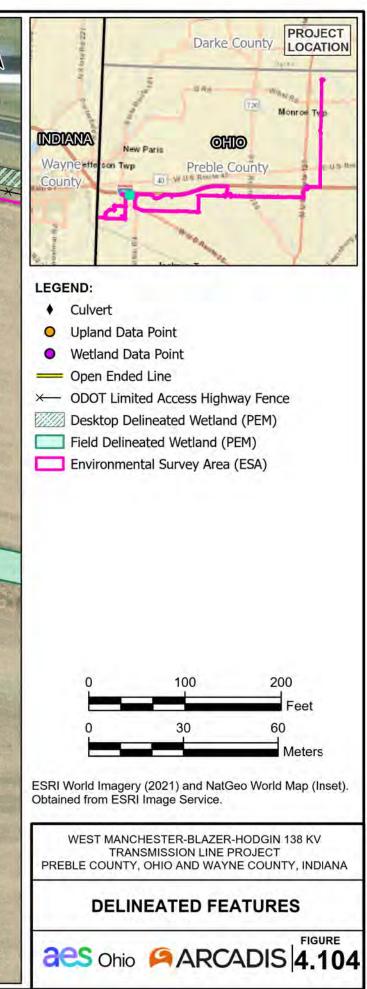


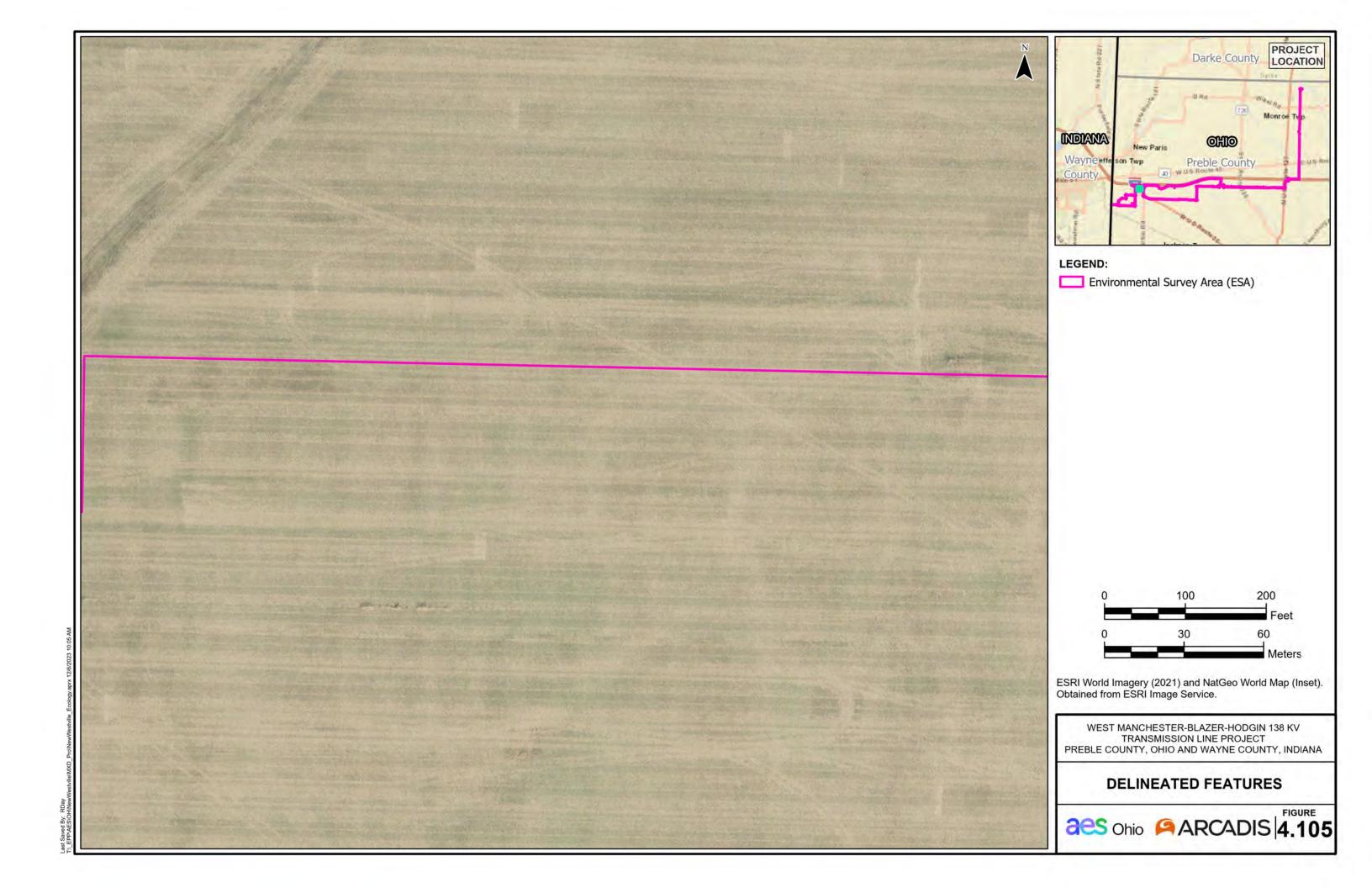


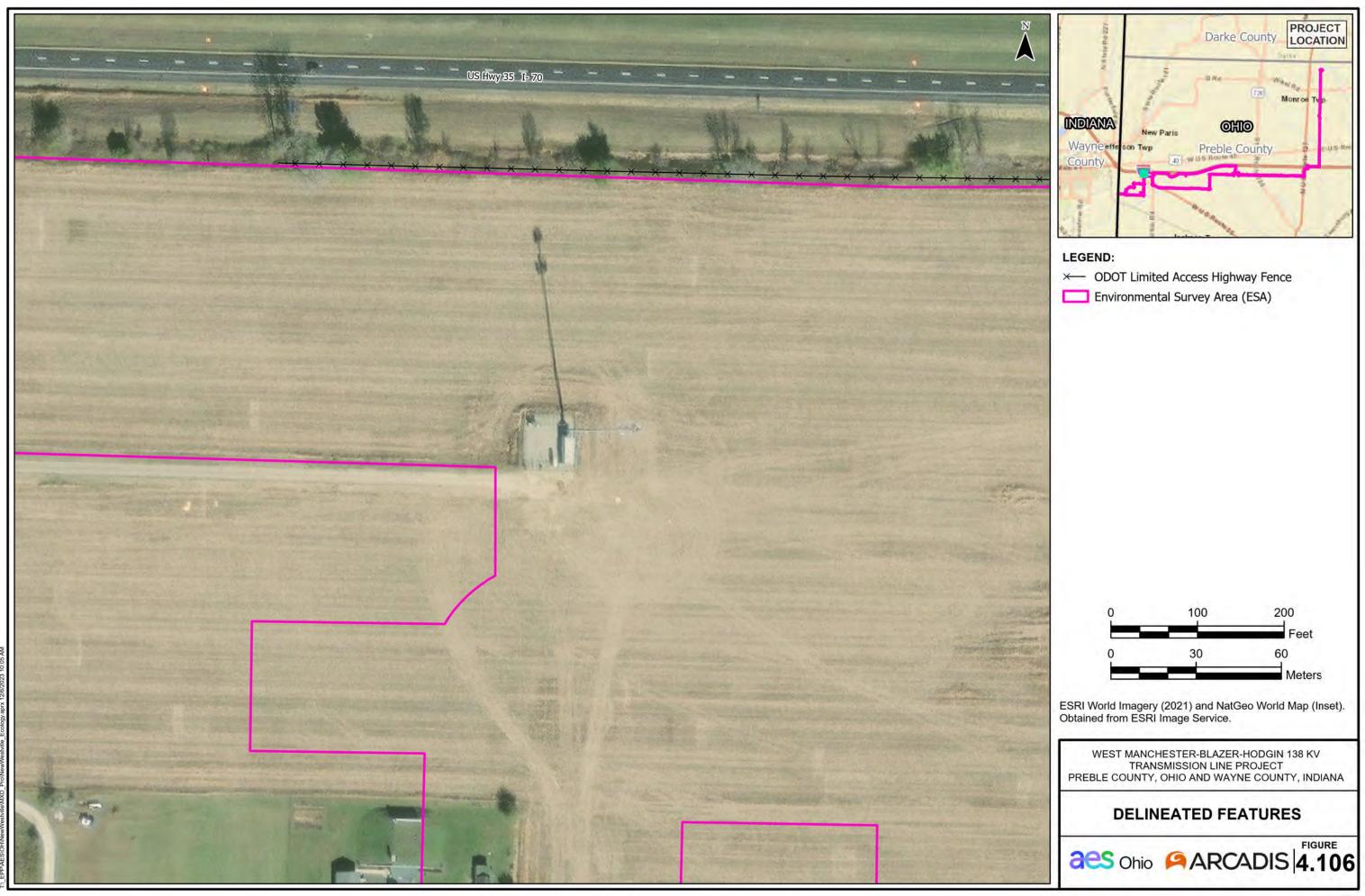


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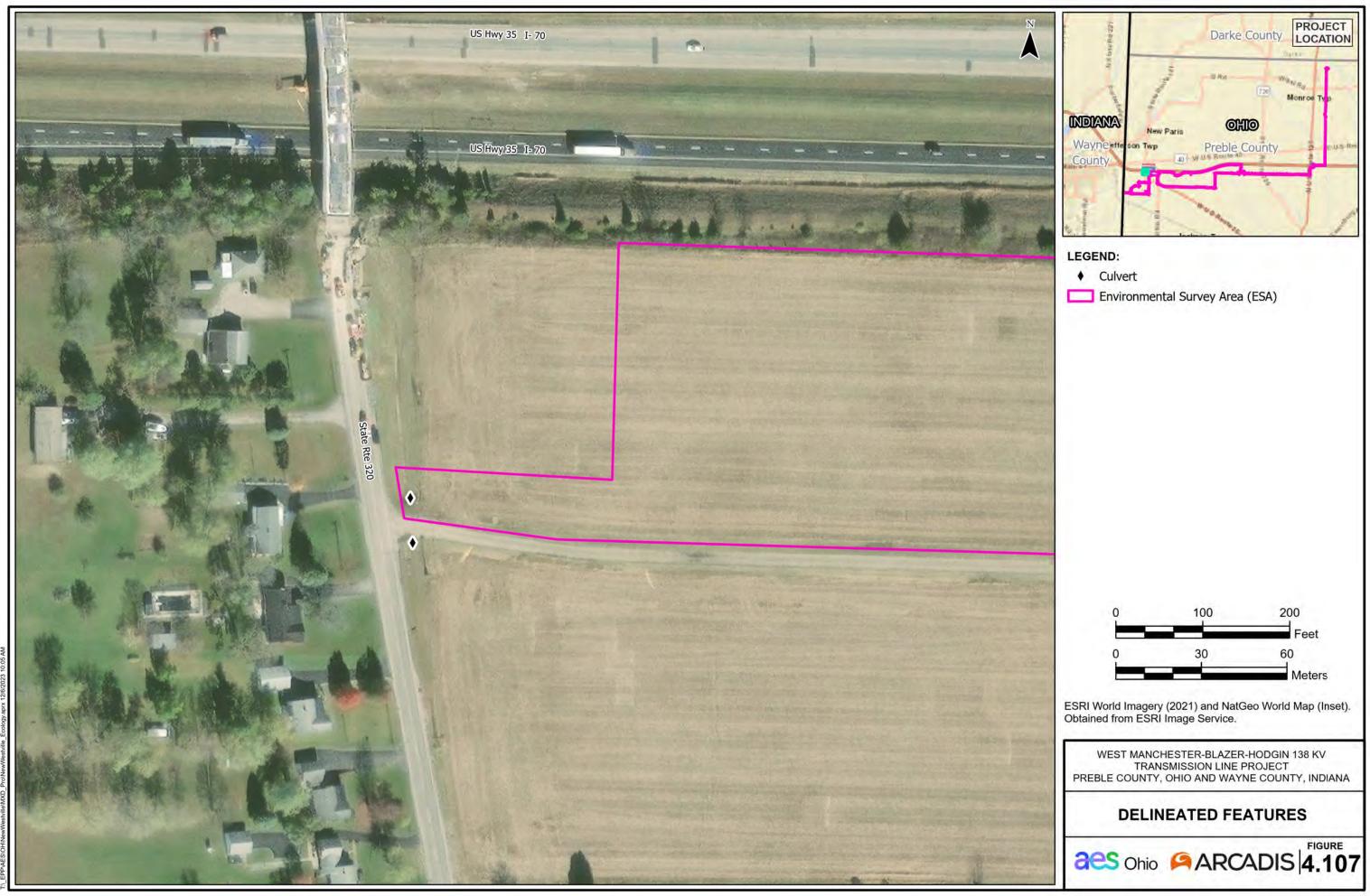




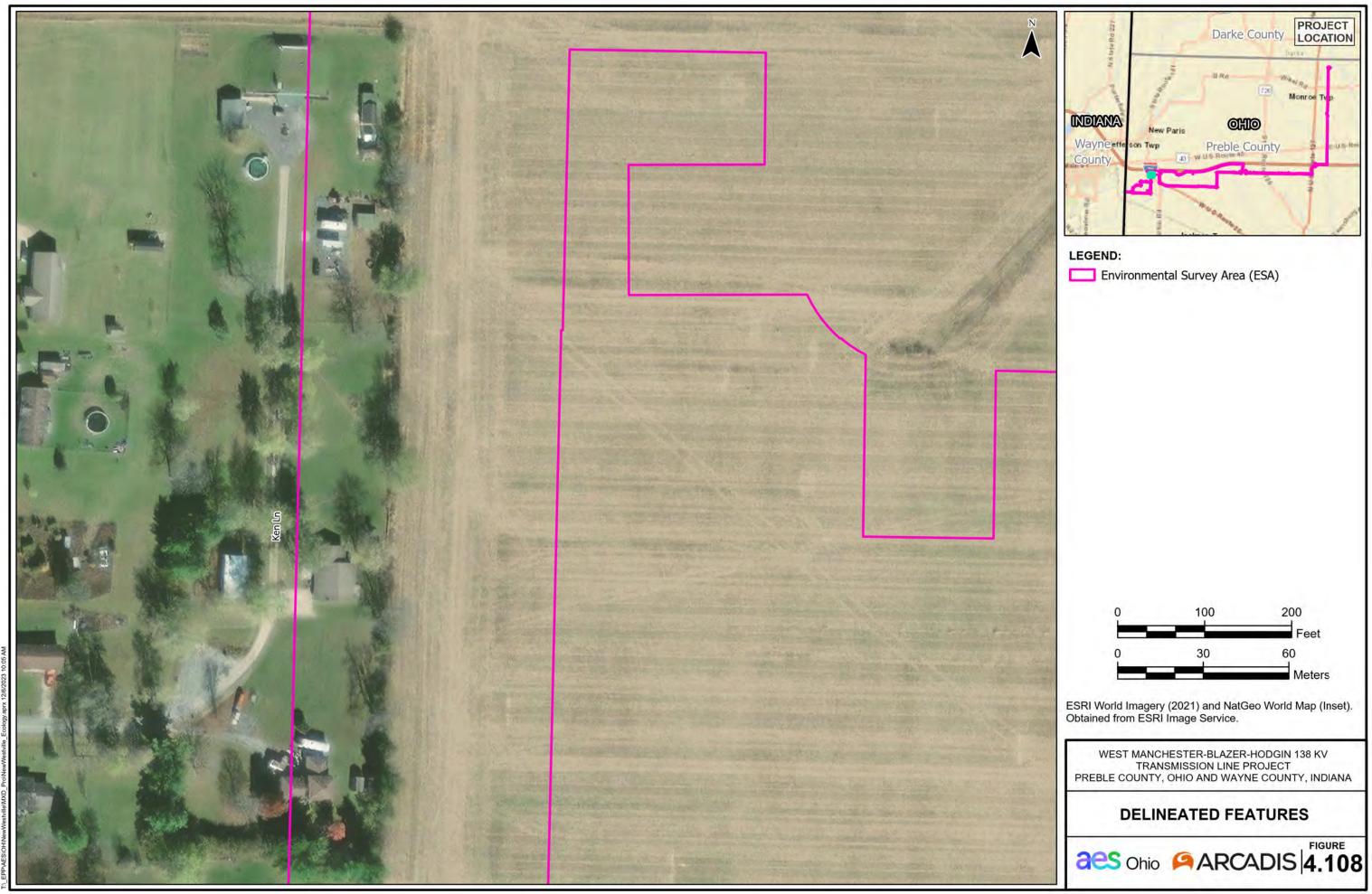




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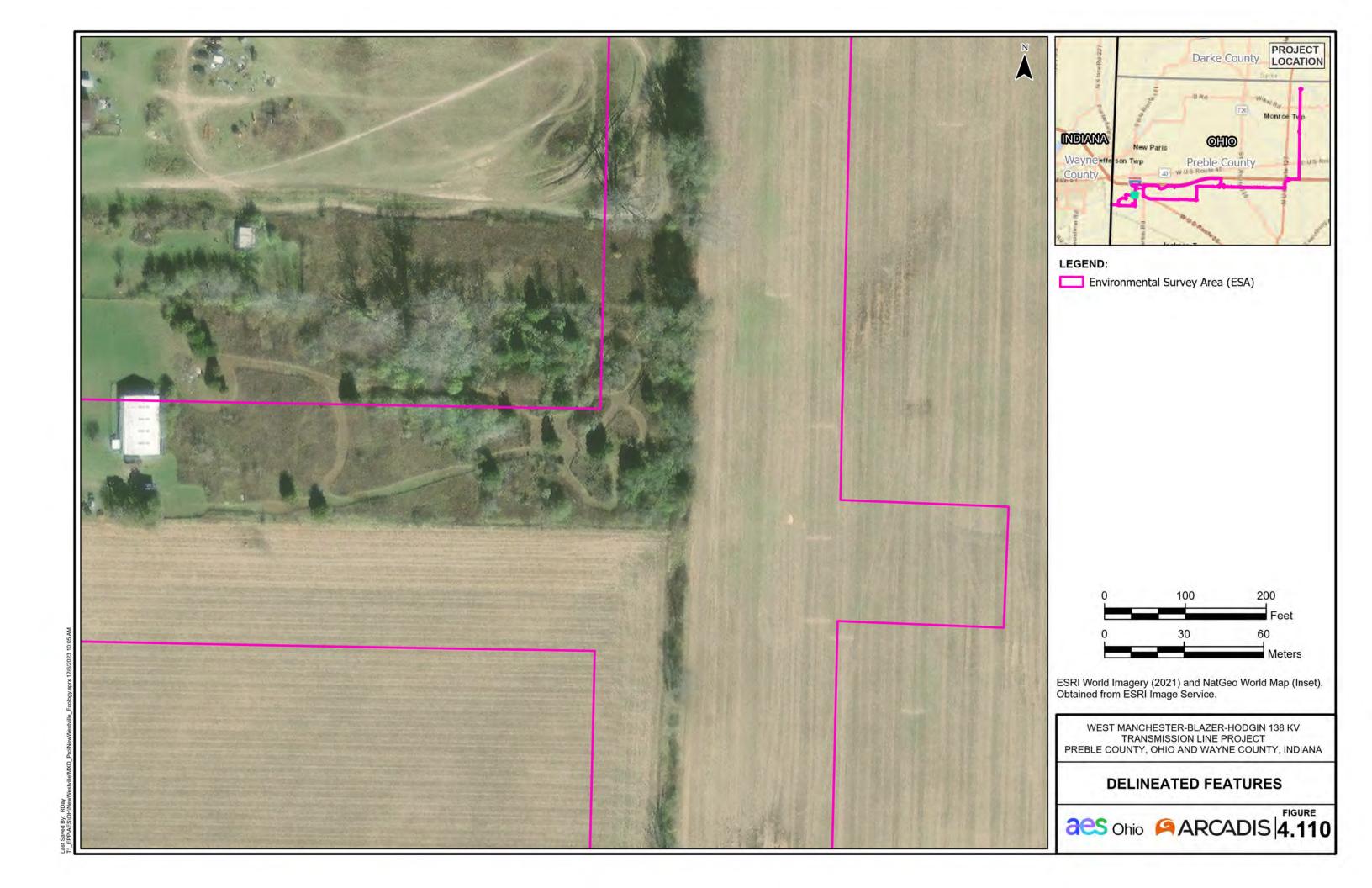
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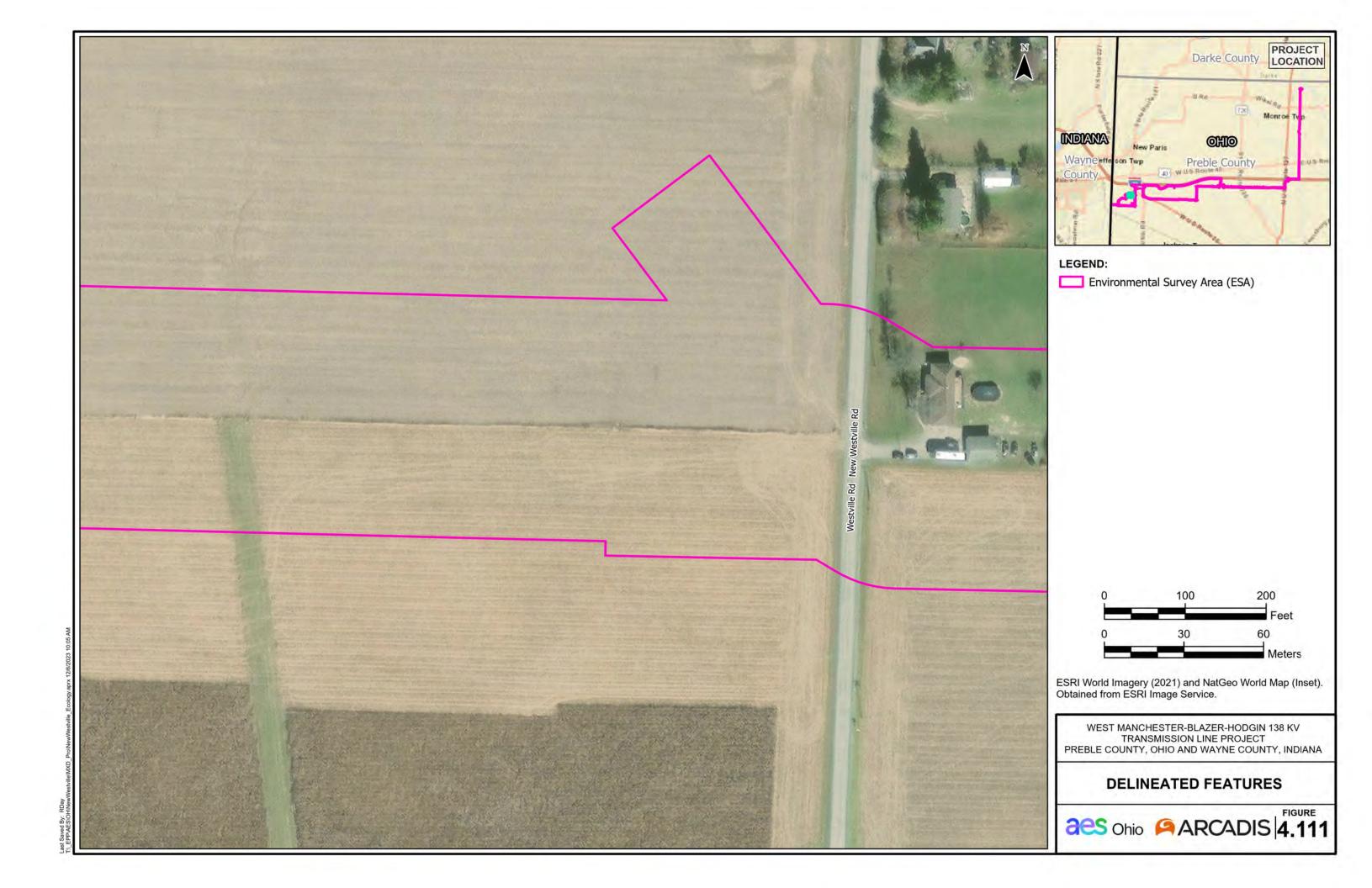


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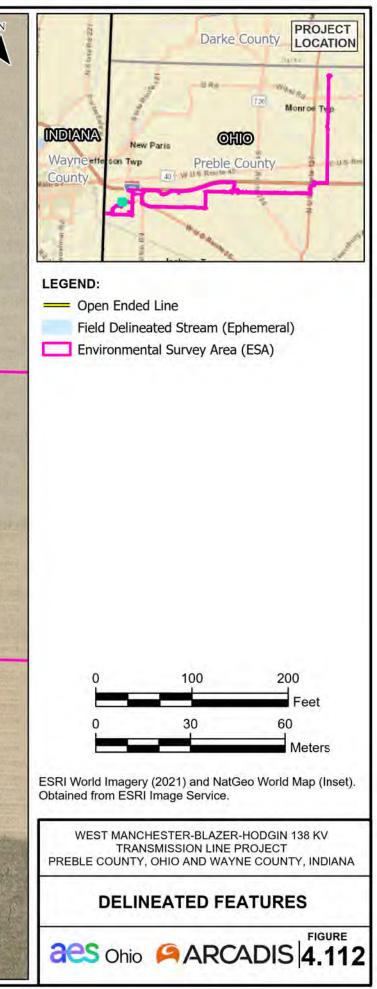


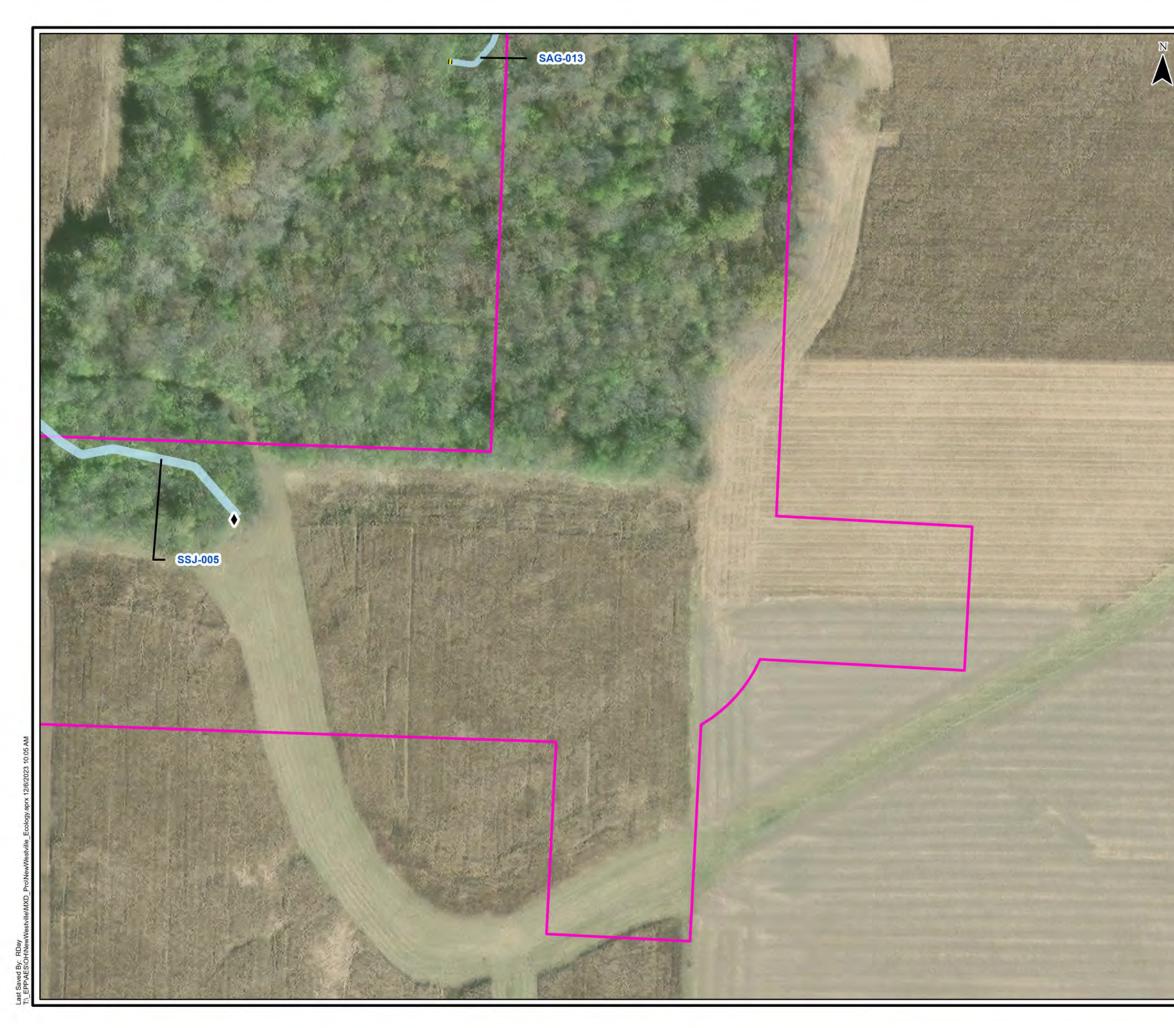
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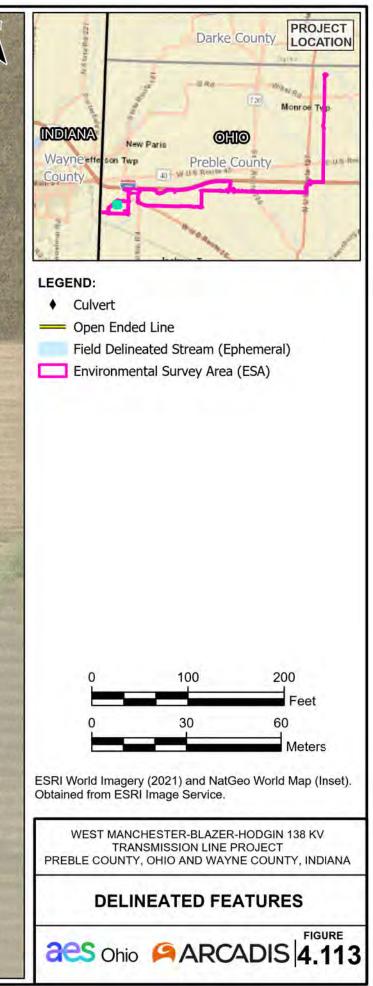


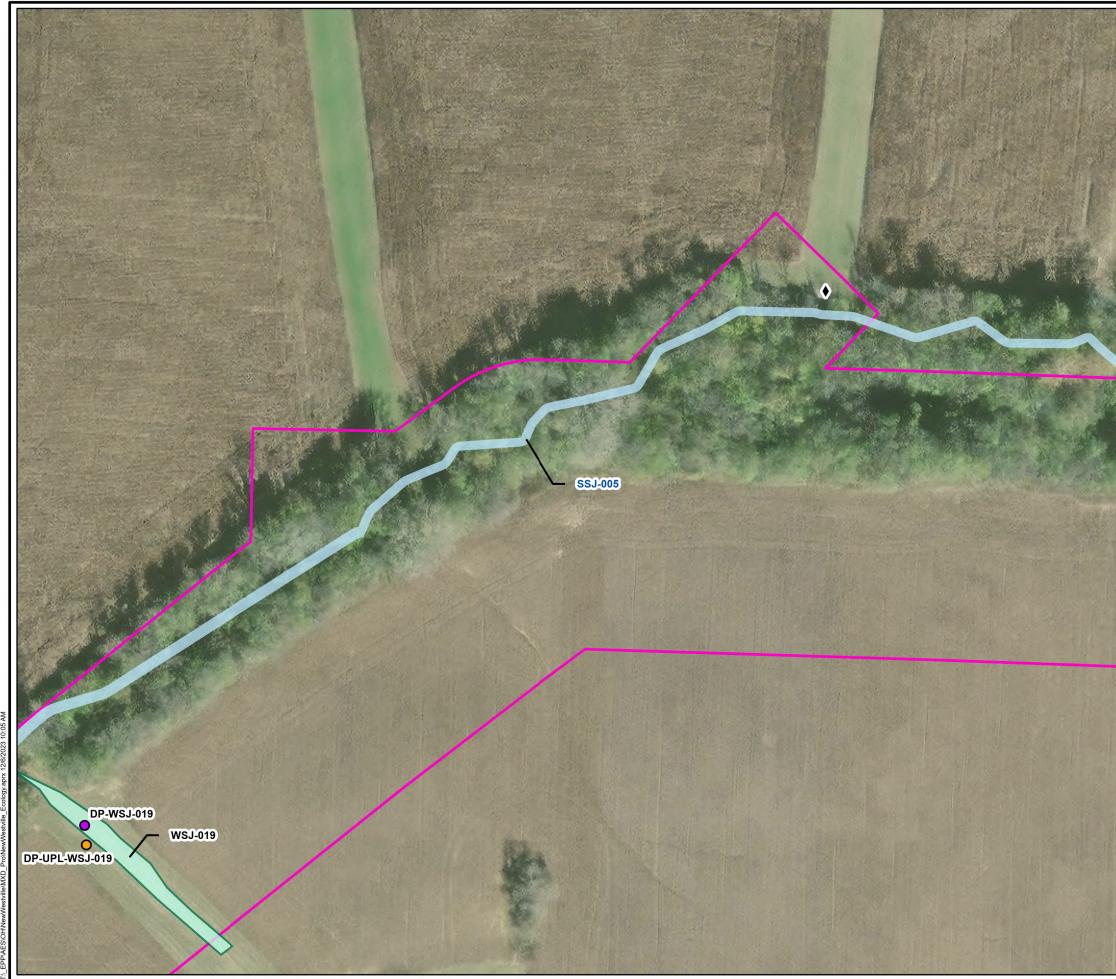






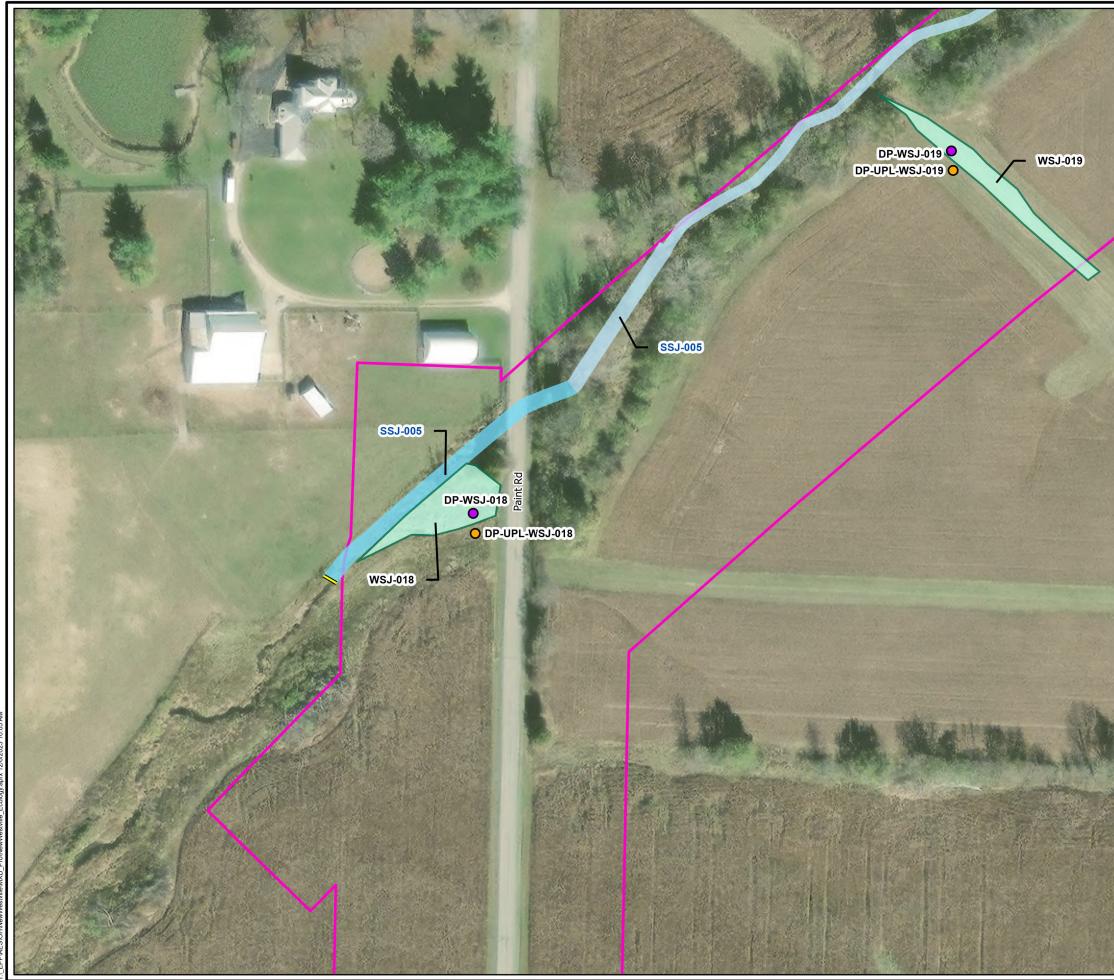




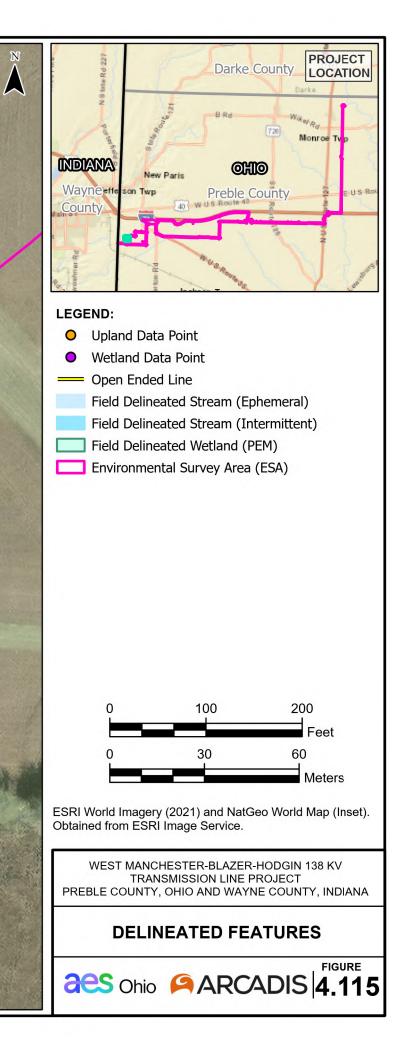


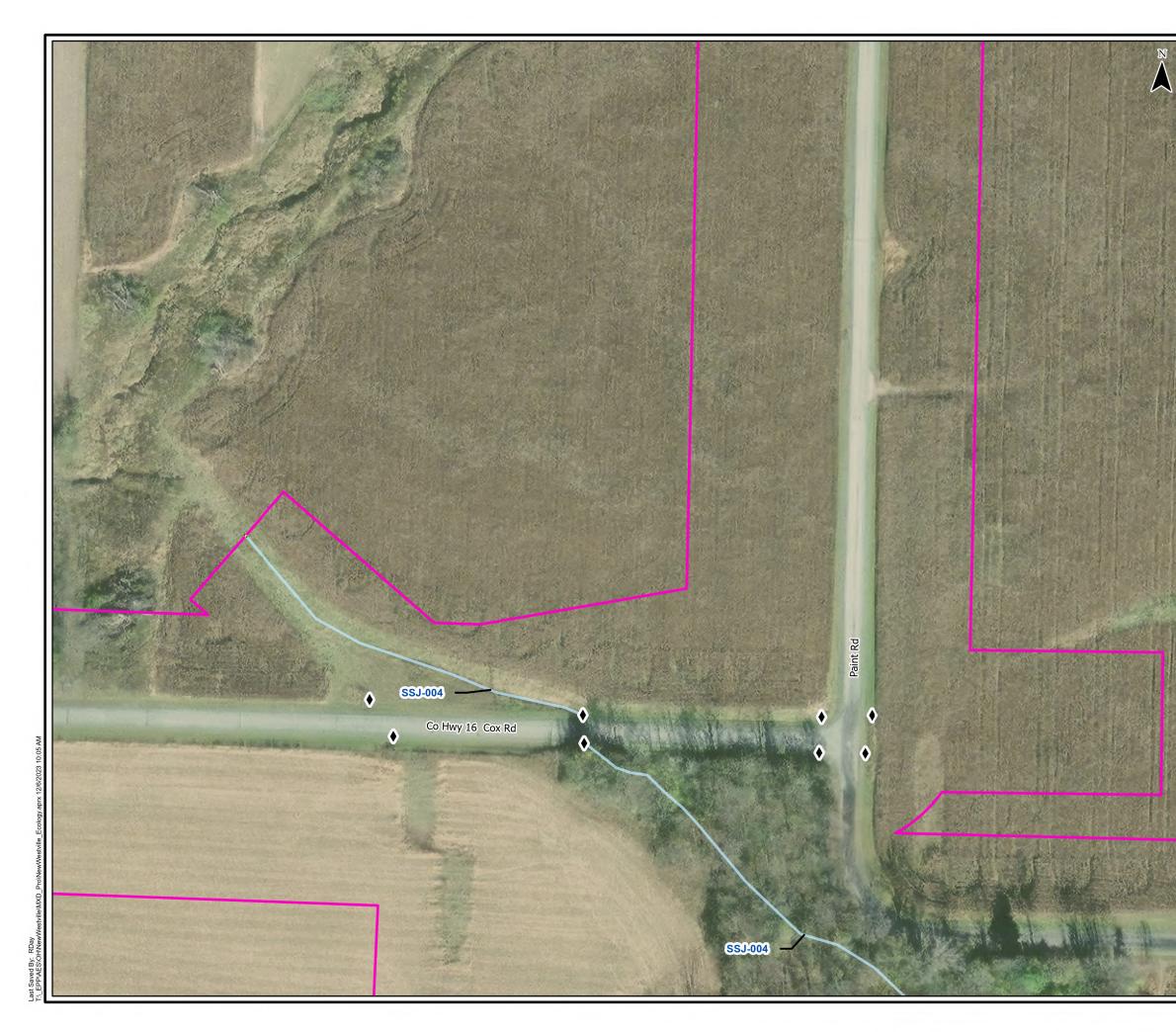
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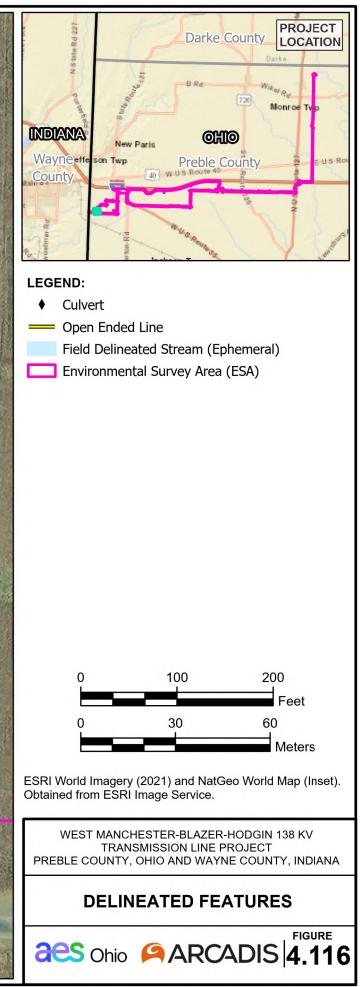
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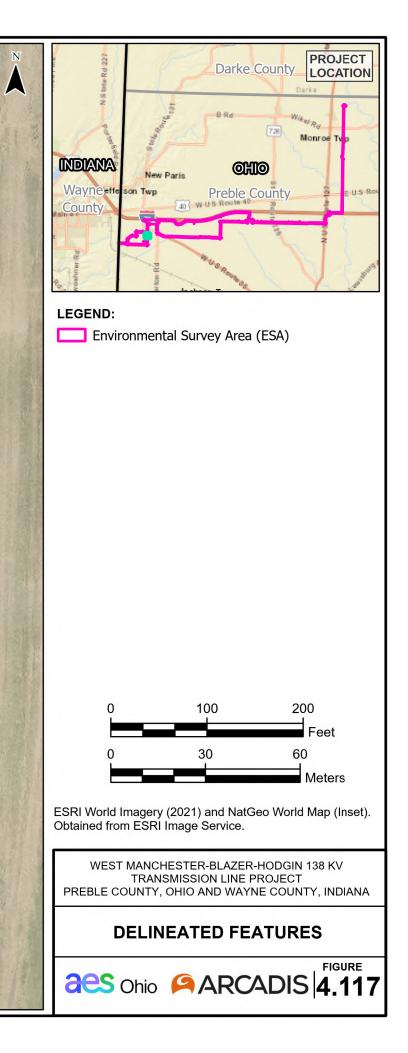
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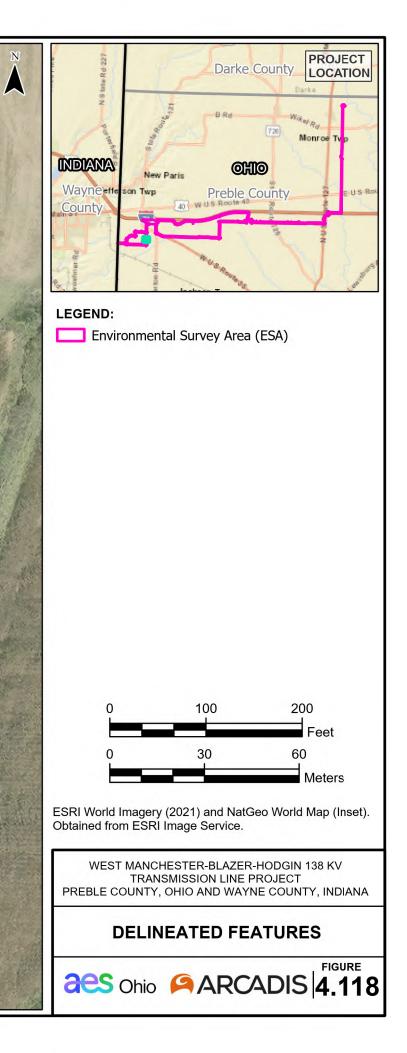




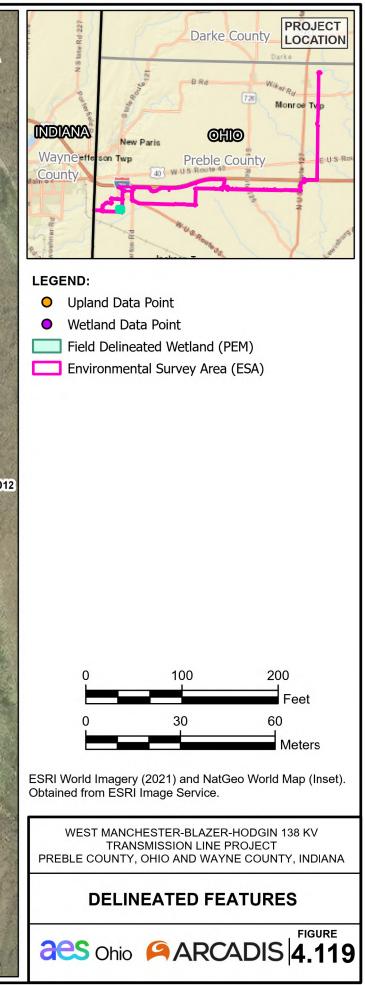


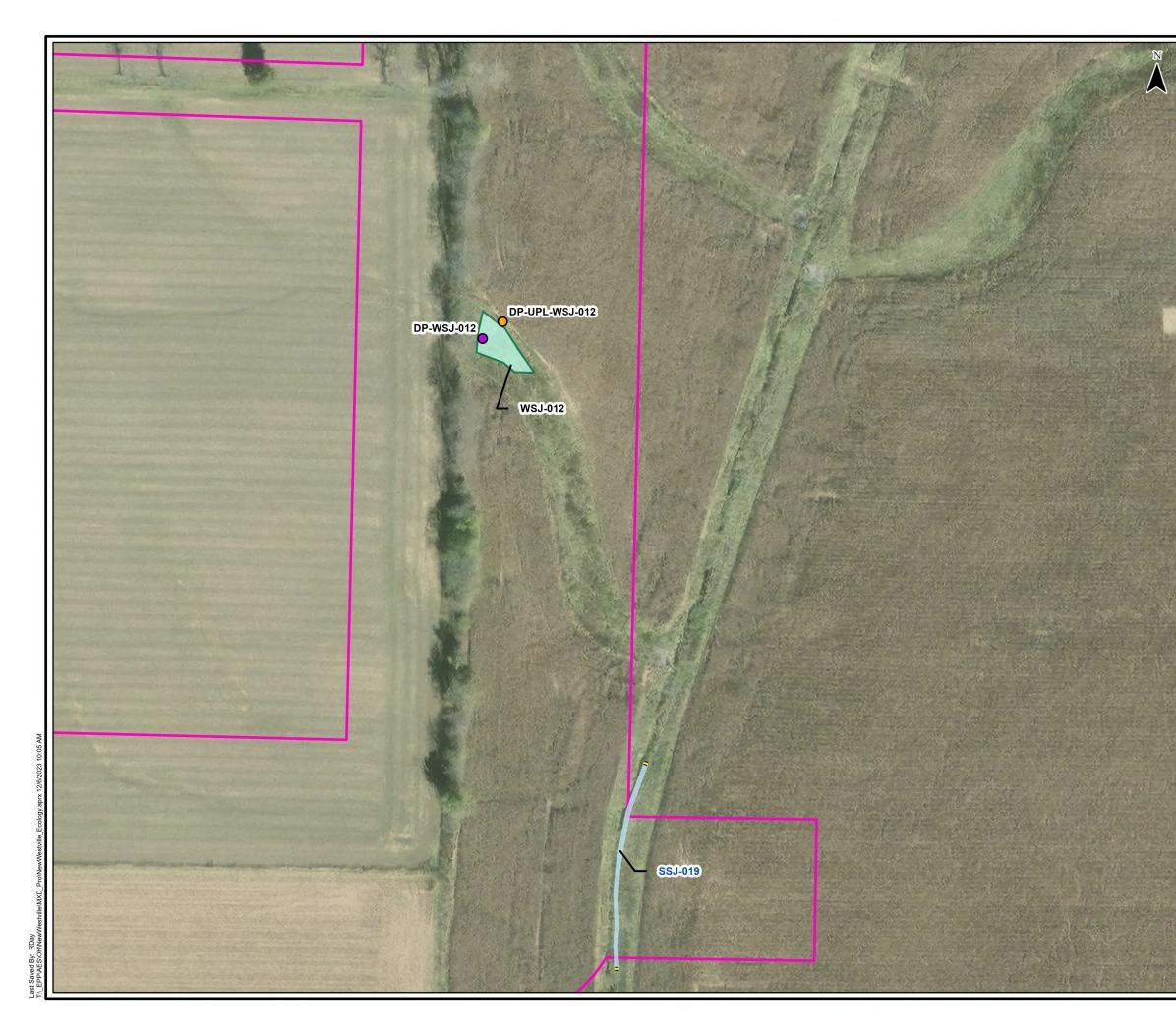




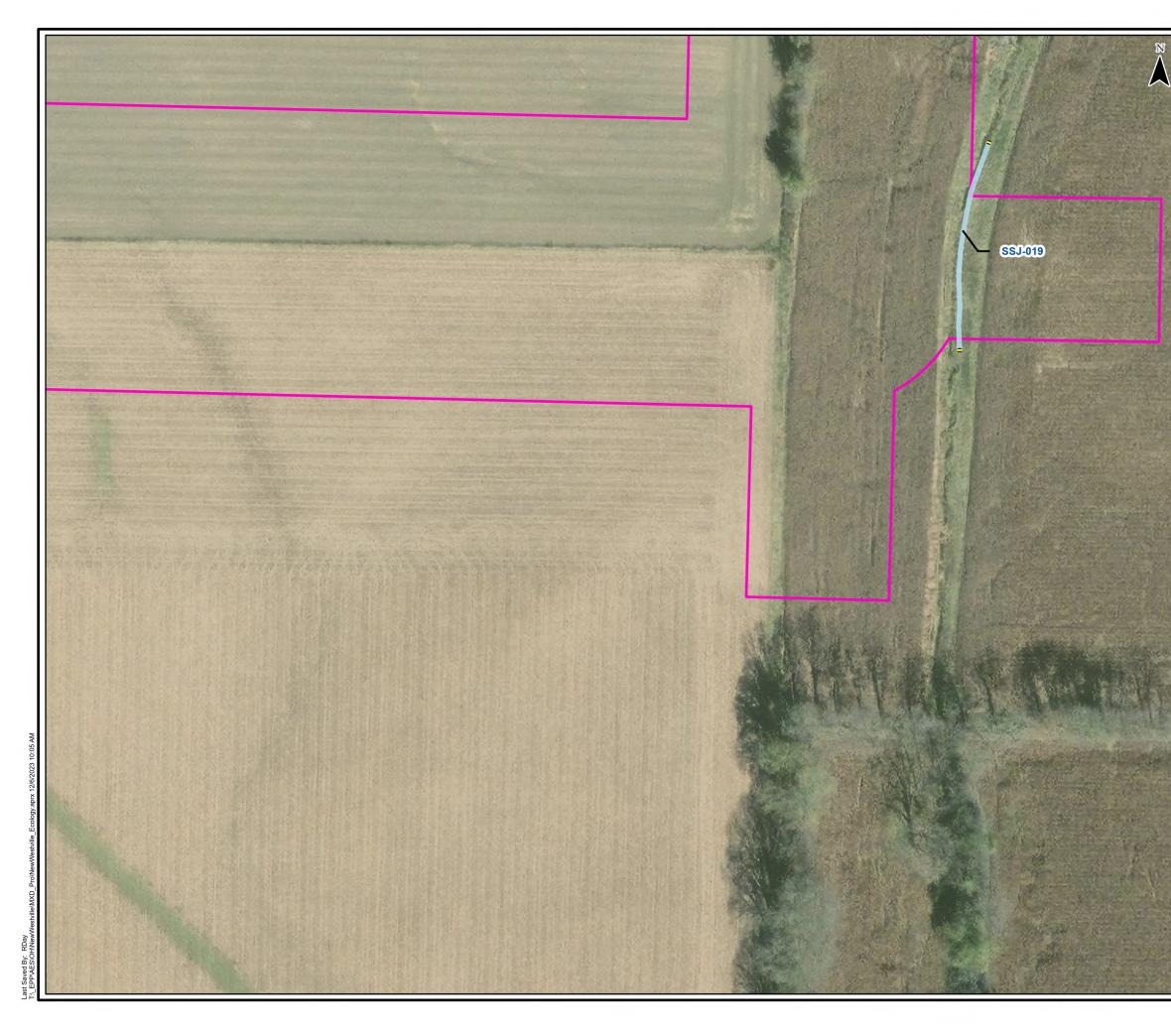


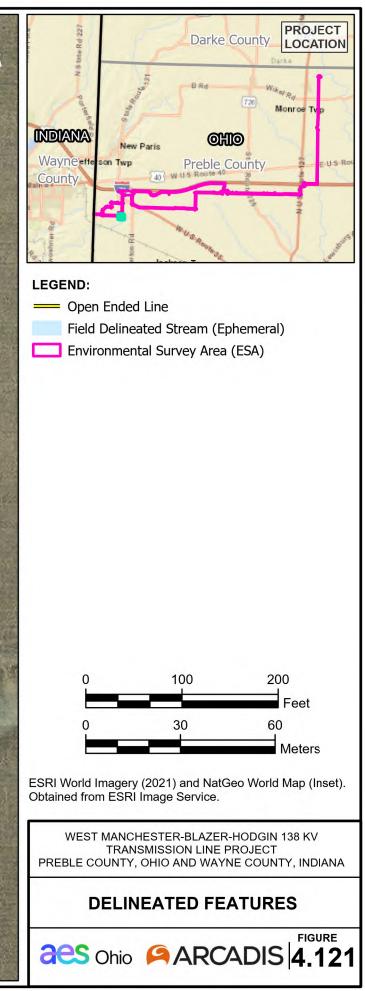




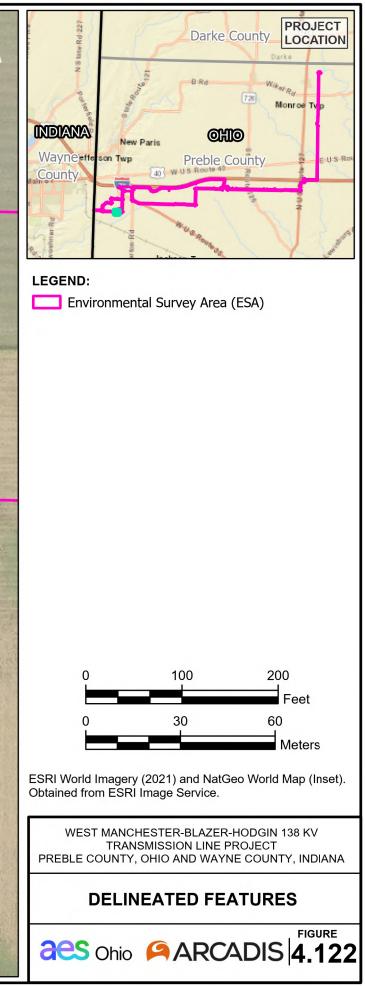


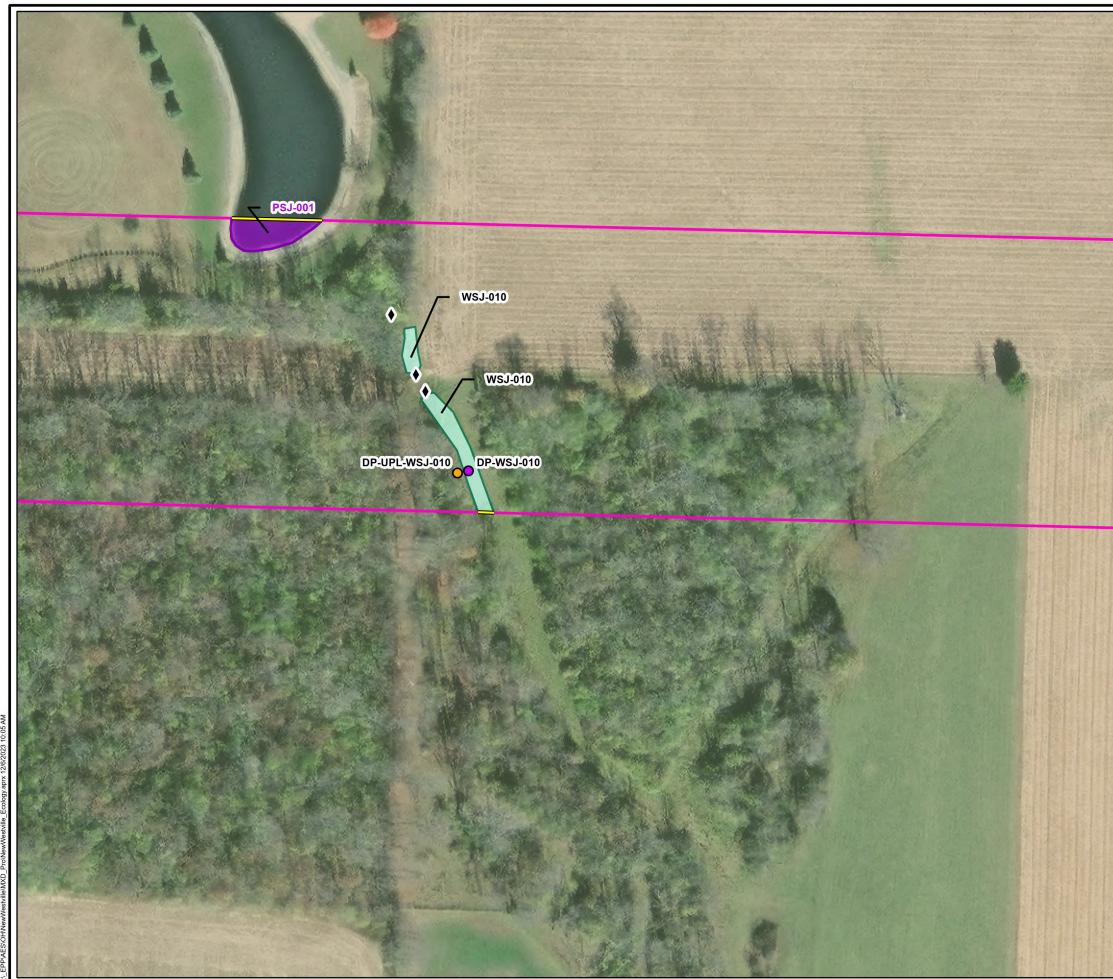
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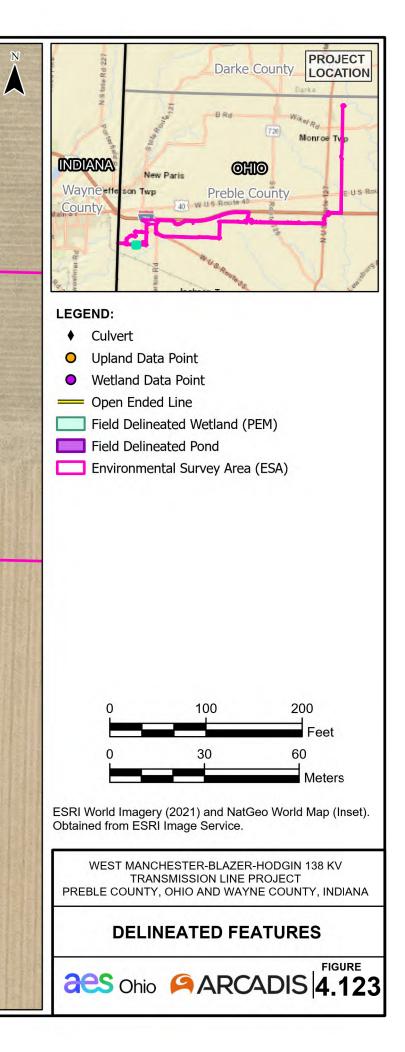


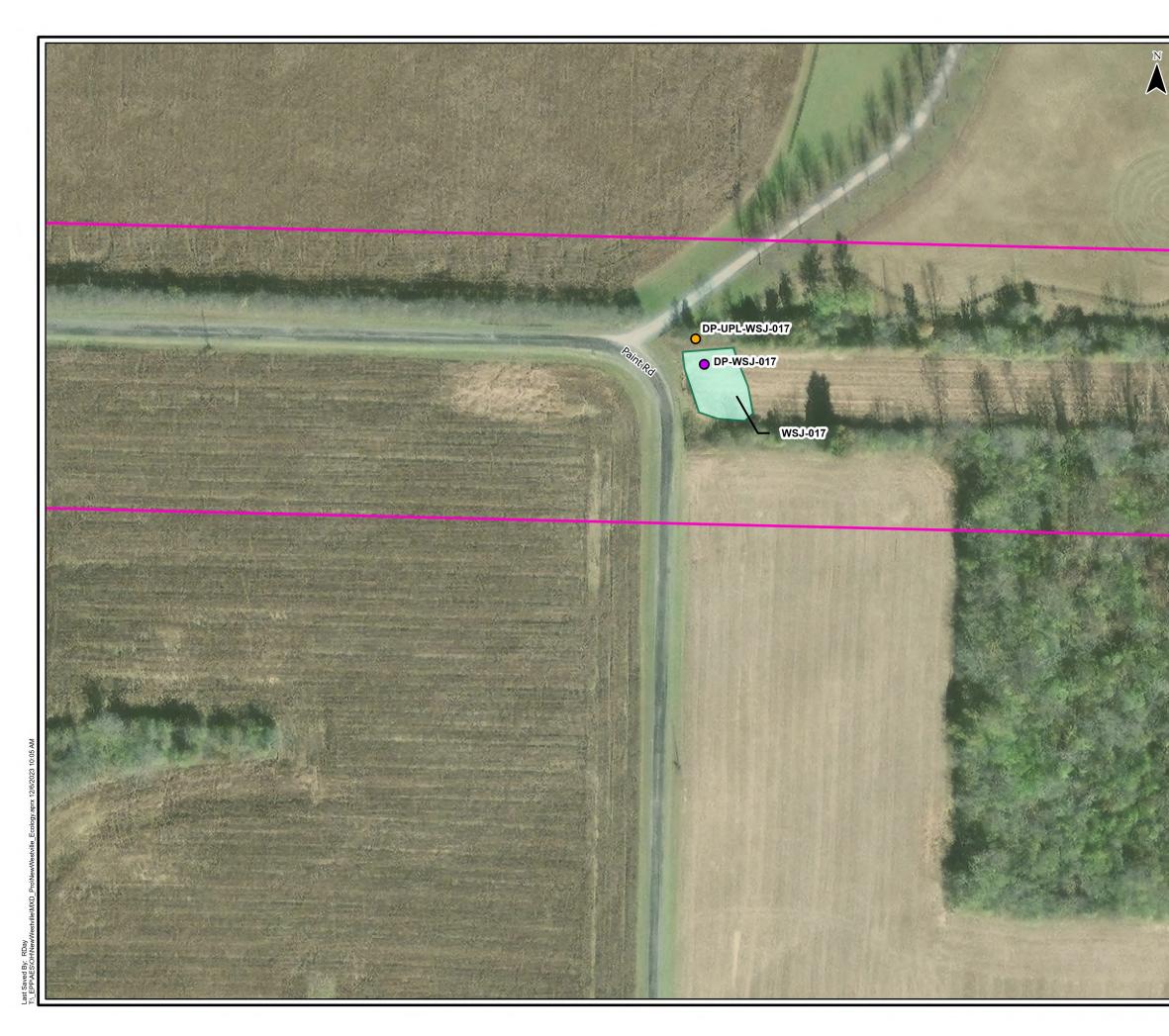


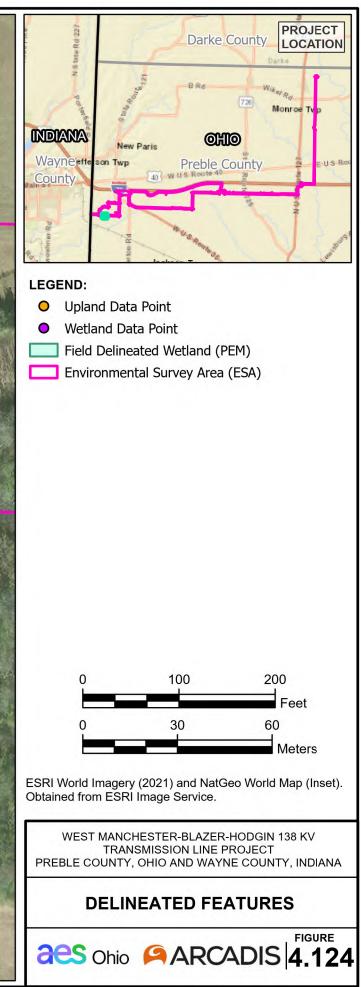


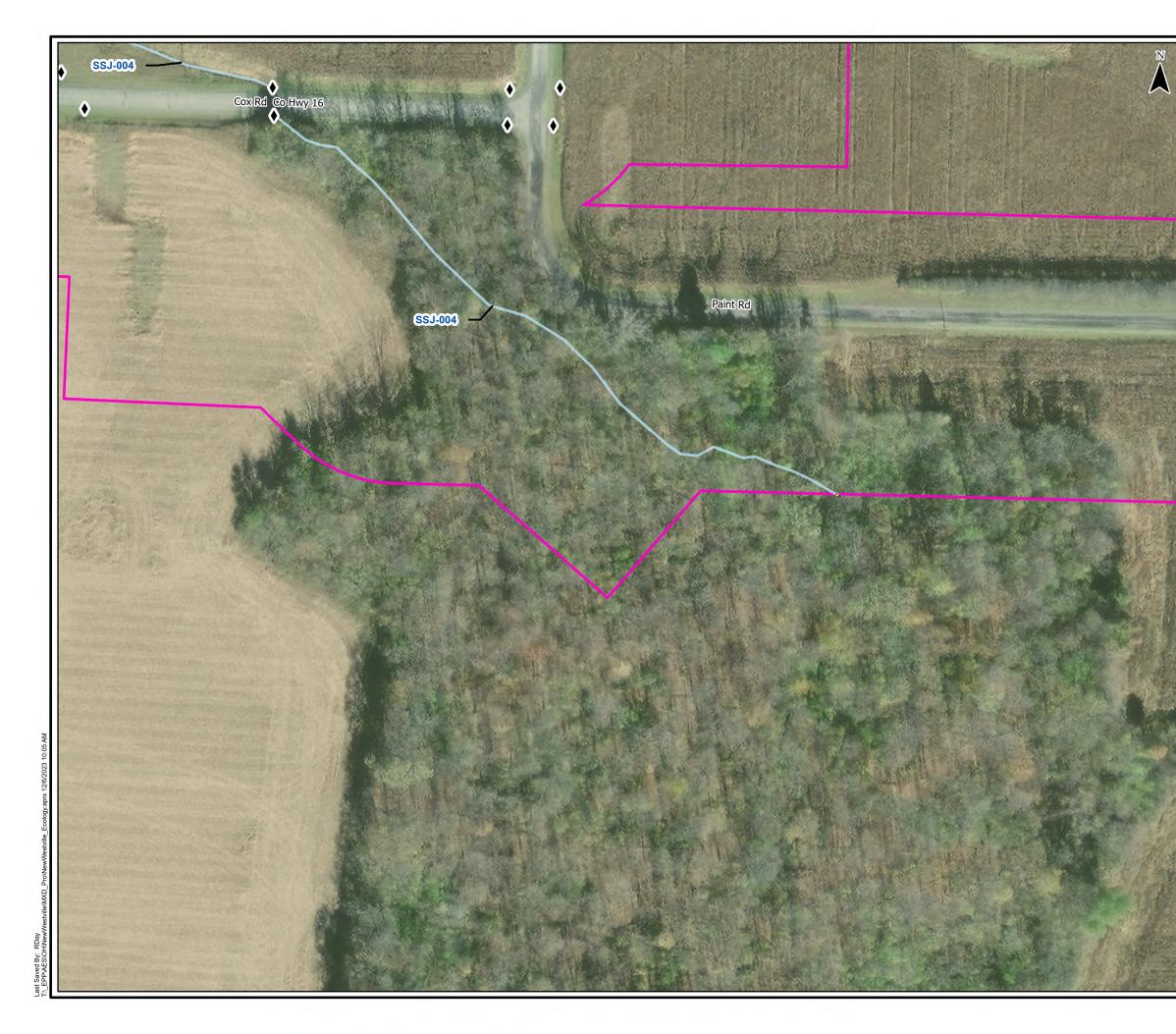


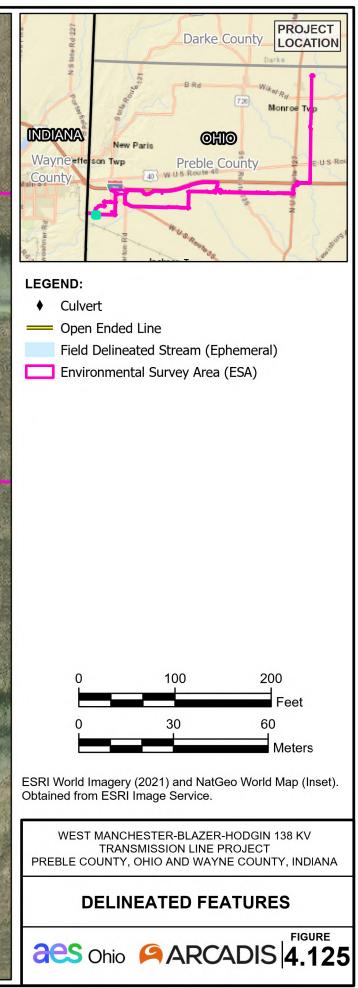


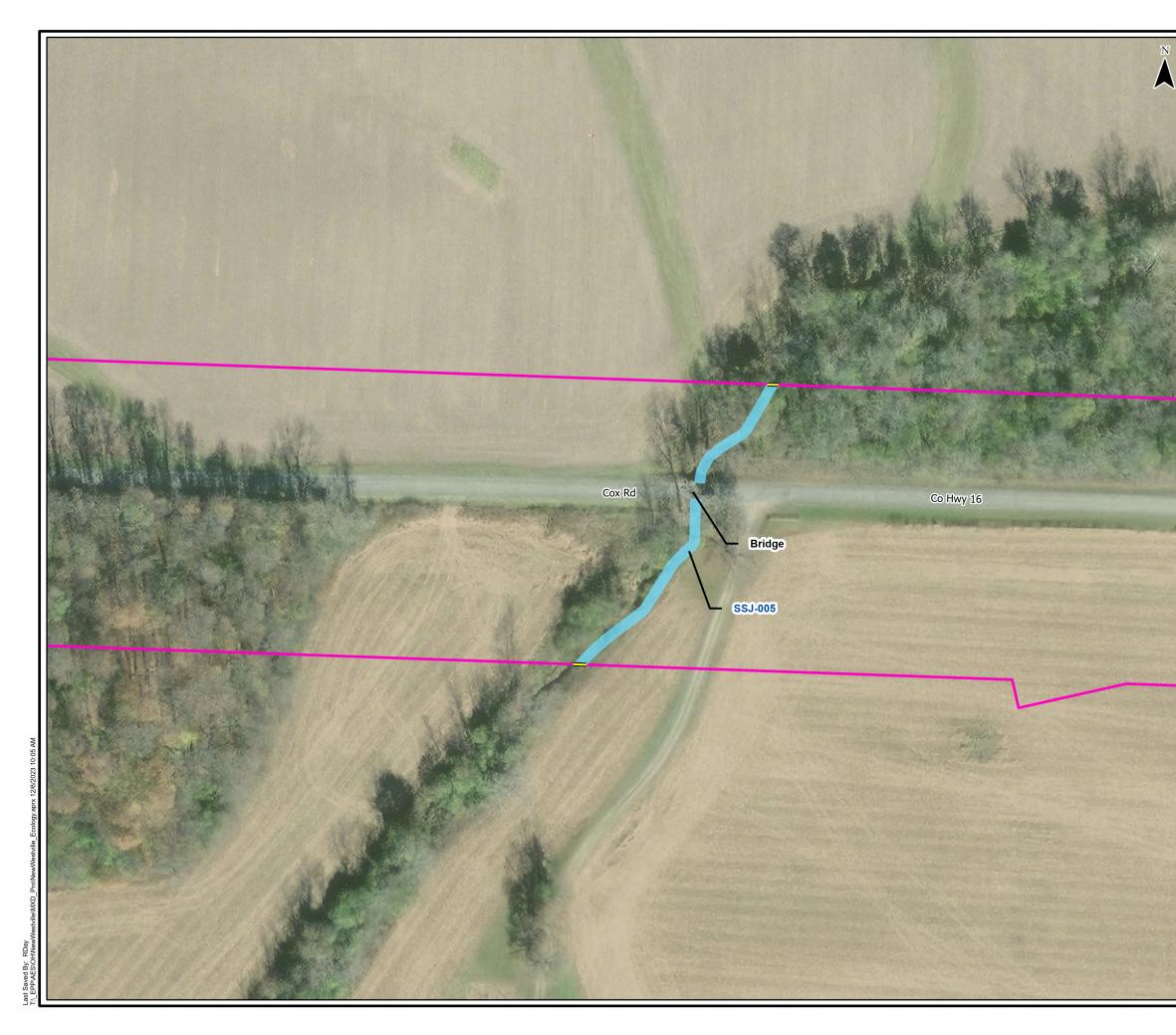


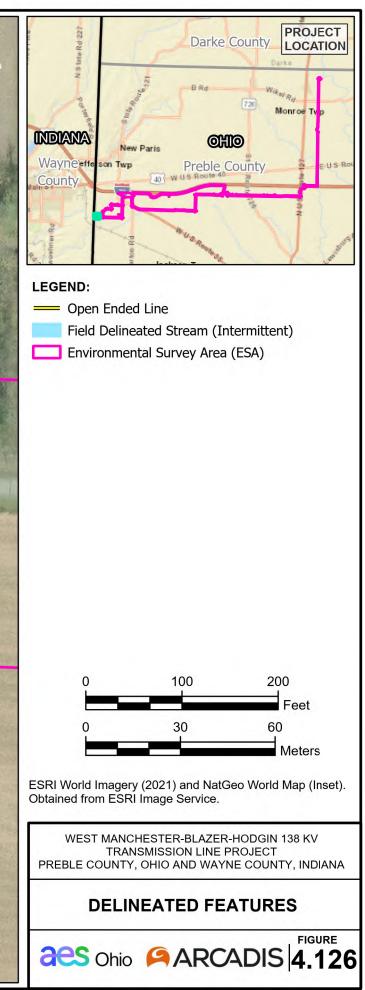






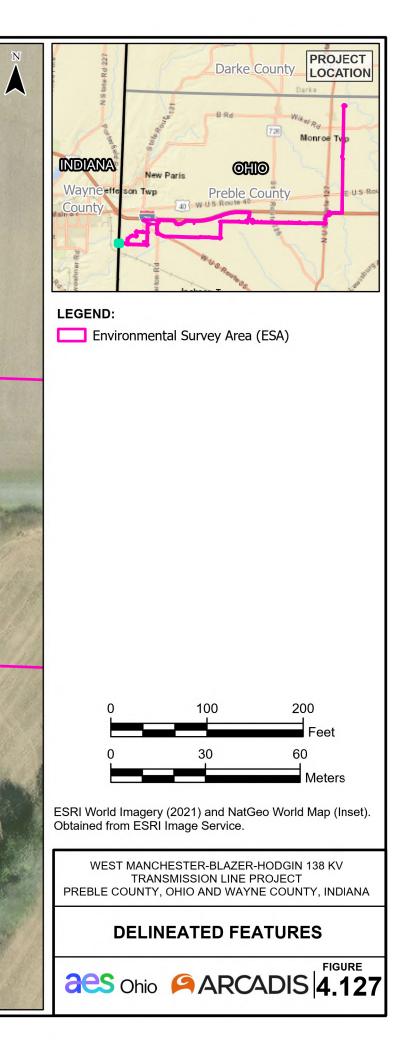








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Photographic Log



AES Corporation West Manchester-Blazer-Hodgin 138 kV Transmission Line Project Preble County, Ohio and Wayne County, Indiana



Photo: 1

Date: 06/12/2023

Description:

Palustrine Emergent (PEM) Wetland WJS-001 in maintained ROW adjacent to farm field. Facing north.

Photo: 2

Date: 06/13/2023

Description: PEM Wetland WJS-002. Facing south.



AES Corporation West Manchester-Blazer-Hodgin 138 kV Transmission Line Project Preble County, Ohio and Wayne County, Indiana





Photo: 3

Date: 06/14/2023

Description:

PEM Wetland WJS-003 in maintained ROW adjacent to farm field. Facing north.

Photo: 4

Date: 06/14/2023

Description:

PSS Wetland WJS-004 in maintained ROW adjacent to farm field. Facing west.



AES Corporation West Manchester-Blazer-Hodgin 138 kV Transmission Line Project Preble County, Ohio and Wayne County, Indiana



Photo: 5

Date: 06/14/2023

Description: PEM wetland WSJ-005.

Facing north.

Photo: 6

Date: 06/15/2023

Description:

PEM portion of wetland WSJ-006. Facing north.



AES Corporation West Manchester-Blazer-Hodgin 138 kV Transmission Line Project Preble County, Ohio and Wayne County, Indiana





Photo: 7

Date: 06/15/2023

Description:

PFO portion of wetland WSJ-006. Facing south.

Photo: 8

Date: 06/15/2023

Description: PFO wetland WSJ-007.

Facing north.



AES Corporation West Manchester-Blazer-Hodgin 138 kV Transmission Line Project Preble County, Ohio and Wayne County, Indiana



Photo: 9

Date: 06/16/2023

Description:

PFO wetland WSJ-008. Facing west.



Photo: 10

Date: 06/28/2023

Description: PEM wetland WSJ-009. Facing east.



AES Corporation West Manchester-Blazer-Hodgin 138 kV Transmission Line Project Preble County, Ohio and Wayne County, Indiana





Date: 06/29/2023

Description:

PEM wetland WSJ-010. Facing west.



Date: 06/29/2023

Description: PEM wetland WSJ-011.

Facing west.





AES Corporation West Manchester-Blazer-Hodgin 138 kV Transmission Line Project Preble County, Ohio and Wayne County, Indiana





Photo: 13

Date: 06/30/2023

Description: PEM wetland WSJ-012. Facing east.

Photo: 14

Date: 06/29/2023

Description:

PEM wetland WSJ-017. Farmed emergent wetland. Facing east.



AES Corporation West Manchester-Blazer-Hodgin 138 kV Transmission Line Project Preble County, Ohio and Wayne County, Indiana





Photo: 15

Date: 10/17/2023

Description:

PEM wetland WSJ-018. Facing west.

Photo: 16

Date: 10/17/2023

Description:

PEM wetland WSJ-019 in agricultural drainage area. Facing northeast.



AES Corporation West Manchester-Blazer-Hodgin 138 kV Transmission Line Project Preble County, Ohio and Wayne County, Indiana





Photo: 17

Date: 10/17/2023

Description:

PEM wetland WSJ-020 in agricultural drainage area. Facing south.

Photo: 18

Date: 10/18/2023

Description:

PEM wetland WSJ-021 adjacent to highway. Facing west.



AES Corporation West Manchester-Blazer-Hodgin 138 kV Transmission Line Project Preble County, Ohio and Wayne County, Indiana





Photo: 19

Date: 06/13/2023

Description:

PEM Wetland WAG-001. Facing north.

Photo: 20

Date: 06/13/2023

Description: PEM Wetland WAG-002. Facing east.



AES Corporation West Manchester-Blazer-Hodgin 138 kV Transmission Line Project Preble County, Ohio and Wayne County, Indiana





Photo: 21

Date: 06/13/2023

Description:

PEM Wetland WAG-003. Facing north.

Photo: 22

Date: 06/15/2023

Description: PEM Wetland WAG-005. Facing north.



AES Corporation West Manchester-Blazer-Hodgin 138 kV Transmission Line Project Preble County, Ohio and Wayne County, Indiana





Photo: 23

Date: 06/15/2023

Description:

PEM Wetland WAG-006. Facing west.

Photo: 24

Date: 06/15/2023

Description: PEM Wetland WAG-007. Facing south.



AES Corporation West Manchester-Blazer-Hodgin 138 kV Transmission Line Project Preble County, Ohio and Wayne County, Indiana



Photo: 25

Date: 10/17/2023

Description:

PEM Wetland WAG-008. Facing north.



Date: 06/12/2023

Description:

Intermittent stream SSJ-001, UNT to Dry Fork facing east looking upstream. Stream was identified on 6/12/23, photos were retaken on 10/18/2023.





AES Corporation West Manchester-Blazer-Hodgin 138 kV Transmission Line Project Preble County, Ohio and Wayne County, Indiana





Photo: 27

Date: 06/12/2023

Description:

Perennial stream SSJ-002, UNT to Dry Fork facing west looking upstream. Stream was identified on 6/12/23, photos were retaken on 10/18/2023.

Photo: 28

Date: 10/17/2023

Description:

Ephemeral stream SSJ-004, UNT to Elkhorn Creek facing southeast looking upstream.



AES Corporation West Manchester-Blazer-Hodgin 138 kV Transmission Line Project Preble County, Ohio and Wayne County, Indiana





Photo: 29

Date: 10/17/2023

Description:

Ephemeral stream SSJ-005, UNT to Elkhorn Creek facing west looking downstream.

Photo: 30

Date: 06/16/2023

Description:

Ephemeral stream SSJ-006, UNT to Elkhorn Creek facing northeast looking upstream.



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Photo: 31

Date: 06/16/2023

Description:

Perennial stream SSJ-007, Elkhorn Creek facing east looking downstream.

Photo: 33

Date: 10/18/2023

Description:

Ephemeral stream SSJ-019, UNT to Elkhorn Creek facing north looking upstream.



AES Corporation West Manchester-Blazer-Hodgin 138 kV Transmission Line Project Preble County, Ohio and Wayne County, Indiana





Photo: 34

Date: 06/12/2023

Description:

Perennial stream SAG-001, UNT to Goose Creek looking upstream.

Photo: 35

Date: 06/13/2023

Description:

Perennial stream SAG-002, Goose Creek looking upstream.



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Photo: 36

Date: 06/13/2023

Description:

Perennial stream SAG-003, Price Creek facing southeast looking downstream.

Photo: 37

Date: 06/13/2023

Description:

Perennial stream SAG-004, Dry Fork facing north looking downstream.



AES Corporation West Manchester-Blazer-Hodgin 138 kV Transmission Line Project Preble County, Ohio and Wayne County, Indiana





Photo: 38

Date: 06/13/2023

Description:

Perennial portion of stream SAG-005 , UNT to Dry Fork facing north looking upstream.

Photo: 39

Date: 06/14/2023

Description:

Perennial stream SAG-007, Bantas Fork facing south looking downstream.



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Photo: 40

Date: 06/14/2023

Description:

Intermittent stream SAG-008, UNT to Bantas Fork facing east looking downstream.

Photo: 41

Date: 06/14/2023

Description:

Perennial stream SAG-009, Sevenmile Creek facing north looking upstream.



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Photo: 42

Date: 06/14/2023

Description:

Perennial stream SAG-010, UNT to Sevenmile Creek facing east looking downstream.

Photo: 43

Date: 06/15/2023

Description:

Intermittent stream SAG-011, UNT to Elkhorn Creek facing north looking upstream.



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Photo: 44

Date: 06/15/2023

Description:

Intermittent stream SAG-012, UNT to Elkhorn Creek facing north looking upstream.

Photo: 45

Date: 10/17/2023

Description:

Ephemeral stream SAG-013 UNT to Elkhorn Creek, facing northeast looking upstream.



AES Corporation West Manchester-Blazer-Hodgin 138 kV Transmission Line Project Preble County, Ohio and Wayne County, Indiana



Photo: 46

Date: 06/14/2023

Description: Pond PAG-001. Facing east.



USACE Wetland Determination Forms

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET - Midwest Region See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New Westville Project		City/Cou	Sampling Da	te: 06/12/2	23		
Applicant/Owner: AES Ohio				State: OH	Sampling Poi	int: Dp-WAG	G-001
Investigator(s): A. Glenn		Section,	Township, Rai	nge: S25, T9N, R2	E		
Landform (hillside, terrace, etc.): terrace			Local relief (c	oncave, convex, nor	ne): concave		
Slope (%): 1 Lat: 39.844502°		Lona: ·	.84.613999°		Datum: NAD83	3	
Soil Map Unit Name: CtA: Crosby-Celina silt loams,	0 to 2 percent			NWI cla	ssification: PFO1A		
Are climatic / hydrologic conditions on the site typica			Yes X		explain in Remark		
Are Vegetation N , Soil N , or Hydrology N		-		ircumstances" prese			
Are Vegetation N , Soil N , or Hydrology N	_			plain any answers in			
	_			-		f a a f a an a a a	- 4 -
SUMMARY OF FINDINGS – Attach site r	nap snowii	ng sampiir	ig point lo	cations, transee	cts, important	reatures, e	etc.
Hydric Soil Present? Yes X	No No No		e Sampled Ar n a Wetland?		< No		
Remarks:							
Data point for Wetland WAG-001							
VEGETATION – Use scientific names of p	lants.						
Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant	Indicator	Dominance Test			
Tree Stratum (Plot size:30) 1. Fraxinus pennsylvanica	<u>-% Cover</u> 15	Species? Yes	Status FACW				
2. Acer saccharinum	_ <u></u>	Yes	FACW	Number of Domin Are OBL, FACW,	•	4 (A	A)
3. Juglans nigra	10	Yes	FACU	Total Number of D	-	`	,
4. Acer rubrum	5	No	FAC	Species Across A		6 (E	B)
5				Percent of Domina	ant Species That		
	45	=Total Cover		Are OBL, FACW,	or FAC:	66.7% (A	A/B)
Sapling/Shrub Stratum (Plot size: 15	_)		-				
1				Prevalence Index			
2				Total % Cove		tiply by:	
3				OBL species FACW species	20 x 1 = 50 x 2 =	<u>20</u> 100	
45				FAC species	x 2 = 20 x 3 =	60	
		=Total Cover		FACU species	$\frac{20}{35}$ x 4 =	140	
Herb Stratum (Plot size: 5)				UPL species	0 x 5 =	0	
1. Carex frankii	20	Yes	OBL	Column Totals:	125 (A)	320 (E	B)
2. Parthenocissus quinquefolia	20	Yes	FACU	Prevalence Ind	ex = B/A =	2.56	
3. Toxicodendron radicans	15	Yes	FAC				
4. Phalaris arundinacea	10	No	FACW	Hydrophytic Veg	etation Indicators		
5. Lysimachia nummularia	10	No	FACW		t for Hydrophytic Ve	egetation	
6. Rosa multiflora	5	No	FACU	X 2 - Dominanc			
7				X 3 - Prevalence			
8					ical Adaptations ¹ (F		ortir
9					narks or on a sepai	-	
10				Problematic H	lydrophytic Vegetat	tion ¹ (Explain	1)

80 =Total Cover

=Total Cover

_	Problematic	Hydrophytic	Vegetation ¹	(Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

No

Hydrophytic Vegetation Present? Yes X

Remarks: (Include photo numbers here or on a separate sheet.)

Profile Desc Depth	Matrix		Redo	x Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-6	10YR 3/2	95	10YR 3/4	5	С	M	Loamy/Clayey	Distinct redox concentrations		
6-16	10YR 3/2	90	10YR 3/4	10	С	M	Loamy/Clayey	Distinct redox concentrations		
¹ Type: C=Co	oncentration, D=Dep	bletion, RM	 I=Reduced Matrix, I	MS=Mas	ked San	d Grains	²Locatio	n: PL=Pore Lining, M=Matrix.		
Hydric Soil	ndicators:						Indicate	ors for Problematic Hydric Soils ³ :		
Histosol	(A1)		Sandy Gle	eyed Mat	rix (S4)		Coa	st Prairie Redox (A16)		
Histic Ep	ipedon (A2)		Sandy Red	dox (S5)			Iron	-Manganese Masses (F12)		
Black Histic (A3)			Stripped M	/latrix (Se	3)		Rec	Parent Material (F21)		
Hydrogen Sulfide (A4)			Dark Surfa	ace (S7)			Ver	/ Shallow Dark Surface (F22)		
Stratified	Stratified Layers (A5)			icky Mine	eral (F1)		Oth	er (Explain in Remarks)		
2 cm Mu	ck (A10)		Loamy Gle	eyed Ma	trix (F2)					
Depleted	Below Dark Surface	e (A11)	Depleted I	Matrix (F	3)					
Thick Da	rk Surface (A12)		X Redox Da	rk Surfac	e (F6)		³ Indicate	ors of hydrophytic vegetation and		
 Sandy M	ucky Mineral (S1)		Depleted [Dark Sur	face (F7)	wet	and hydrology must be present,		
5 cm Mucky Peat or Peat (S3)			X Redox De	pression	s (F8)		unle	unless disturbed or problematic.		
Restrictive I	_ayer (if observed):	:	······							
Type:	N/A									
Type: Depth (ir	N/A N/A						Hydric Soil Prese	nt? Yes X No		
Depth (ir Remarks:	iches):						Hydric Soil Prese	nt? Yes <u>X</u> No		
Depth (ir Remarks:							Hydric Soil Prese	nt? Yes X No		
Depth (ir Remarks:	iches):						Hydric Soil Prese	nt? Yes <u>X</u> No		
Depth (ir Remarks: Hydric soil in	iches):						Hydric Soil Prese	nt? Yes <u>X</u> No		
Depth (ir Remarks: Hydric soil in HYDROLO Wetland Hyd	dicators present		ired; check all that a	apply)				nt? Yes X No		
Depth (ir Remarks: Hydric soil in HYDROLO Wetland Hyd Primary Indic	iches): dicators present GY drology Indicators:		uired; check all that a		ves (B9)		Second			
Depth (ir Remarks: Hydric soil in HYDROLO Wetland Hyd Primary Indic Surface V High Wa	dicators present dicators present GY drology Indicators: ators (minimum of c Water (A1) ter Table (A2)		X Water-Sta	ined Lea auna (B1	3)		<u>Seconda</u> Sur Tra	ary Indicators (minimum of two require face Soil Cracks (B6) nage Patterns (B10)		
Depth (ir Remarks: Hydric soil in HYDROLO Wetland Hyd Primary Indic Surface High Wa Saturatic	dicators present dicators present GY drology Indicators: eators (minimum of c Water (A1) ter Table (A2) n (A3)		X Water-Sta Aquatic Fa	ined Lea auna (B1 atic Plant	3) s (B14)		Seconda Sur Dra Dry	ary Indicators (minimum of two requir ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2)		
Depth (ir Remarks: Hydric soil in HYDROLO Wetland Hyd Primary Indic Surface High Wa Saturatic Water M	dicators present dicators present GY drology Indicators: cators (minimum of c Water (A1) ter Table (A2) n (A3) arks (B1)		X Water-Sta Aquatic Fa True Aqua Hydrogen	ined Lea auna (B1 atic Plant Sulfide (3) s (B14) Odor (C1)	<u>Seconda</u> Sur Dra Dry Cra	ary Indicators (minimum of two requir face Soil Cracks (B6) nage Patterns (B10) -Season Water Table (C2) yfish Burrows (C8)		
Depth (ir Remarks: Hydric soil in HYDROLO Wetland Hyd Primary Indic Surface V High Wa Saturatic Water M Sedimen	dicators present dicators present GY drology Indicators: eators (minimum of c Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2)		X Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F	ined Lea auna (B1 atic Plant Sulfide (Rhizosph	3) s (B14) Odor (C1 ieres on) Living R	<u>Second</u> Sur Dra Dry Cra pots (C3) Sat	ary Indicators (minimum of two requir ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) ıration Visible on Aerial Imagery (C9)		
Depth (ir Remarks: Hydric soil in HYDROLO Wetland Hyd Primary Indic Surface V High Wa Saturatic Water Ma Sedimen Drift Dep	dicators present dicators present GY drology Indicators: ators (minimum of c Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3)		X Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F	ined Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc	3) s (B14) Odor (C1 eres on ced Iron) Living Re (C4)	<u>Second</u> Sur Dra Dry Cra pots (C3) Sat	ary Indicators (minimum of two require face Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1)		
Depth (ir Remarks: Hydric soil in HYDROLO Wetland Hyd Primary Indic Surface V High Wa Saturatic Water M: Sedimen Drift Dep Algal Ma	dicators present dicators present drology Indicators: cators (minimum of c Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4)		X Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro	ined Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc	3) s (B14) Ddor (C1 eres on ced Iron (tion in Ti) Living Re (C4)	<u>Second</u> Sur Dra Dry Cra pots (C3) Sat Stur s (C6) Geo	ary Indicators (minimum of two require face Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2)		
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Depth (ir Remarks: Hydric soil in HYDROLO Wetland Hyd Primary Indic Surface V High Wa Saturatic Water Ma Sedimen Drift Dep Algal Ma Iron Dep Inundatic Sparsely Field Obser Surface Wate Water Table Saturation Pu (includes cap	dicators present dicators present dicators present drology Indicators: eators (minimum of co Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial I Vegetated Concave vations: er Present? Ye Present? Ye eresent? Ye present? Ye present? Ye	magery (B e Surface (es es	X Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck (B8) Other (Exp No X No X No X No X	ined Lea auna (B1 ttic Plant Sulfide (Rhizosph of Reduc on Reduc Surface Well Dat Dlain in F Depth (i Depth (i	3) s (B14) Ddor (C1 eres on ced Iron of tition in Ti (C7) a (D9) Remarks) nches): nches):) Living R (C4) illed Soil	Second:	ary Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2) S-Neutral Test (D5)		
Depth (ir Remarks: Hydric soil in HYDROLO Wetland Hyd Primary Indic Surface V High Wa Saturatic Water Ma Sedimen Drift Dep Algal Ma Iron Dep Inundatic Sparsely Field Obser Surface Wate Water Table Saturation Pu (includes cap	dicators present dicators present dicators present drology Indicators: ators (minimum of c Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial I Vegetated Concave vations: er Present? Ye resent? Ye	magery (B e Surface (es es	X Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck (B8) Other (Exp No X No X No X No X	ined Lea auna (B1 ttic Plant Sulfide (Rhizosph of Reduc on Reduc Surface Well Dat Dlain in F Depth (i Depth (i	3) s (B14) Ddor (C1 eres on ced Iron of tition in Ti (C7) a (D9) Remarks) nches): nches):) Living R (C4) illed Soil	Second:	ary Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2) S-Neutral Test (D5)		
Depth (ir Remarks: Hydric soil in HYDROLO Wetland Hyd Primary Indic Surface V High Wa Saturatio Water Ma Sedimen Drift Dep Algal Ma Iron Dep Inundatic Sparsely Field Obser Surface Wate Water Table Saturation Ph (includes cap Describe Red	dicators present dicators present dicators present drology Indicators: eators (minimum of co Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial I Vegetated Concave vations: er Present? Ye Present? Ye eresent? Ye present? Ye present? Ye	magery (B e Surface (es es	X Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck (B8) Other (Exp No X No X No X No X	ined Lea auna (B1 ttic Plant Sulfide (Rhizosph of Reduc on Reduc Surface Well Dat Dlain in F Depth (i Depth (i	3) s (B14) Ddor (C1 eres on ced Iron of tition in Ti (C7) a (D9) Remarks) nches): nches):) Living R (C4) illed Soil	Second:	ary Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2) S-Neutral Test (D5)		
Depth (ir Remarks: Hydric soil in Hydric soil in Hydric soil in Surface V High Wa Saturatio Water M: Sedimen Drift Dep Algal Ma Iron Dep Inundatic Sparsely Field Obser Surface Wate Water Table Saturation Pro (includes cap Describe Red	dicators present dicators present dicators present drology Indicators: eators (minimum of co Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) on Visible on Aerial I Vegetated Concave vations: er Present? Ye Present? Ye eresent? Ye present? Ye present? Ye	magery (B e Surface (es es n gauge, m	X Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck (B8) Other (Exp No X No X No X No X No X	ined Lea auna (B1 ttic Plant Sulfide (Rhizosph of Reduc on Reduc Surface Well Dat Dlain in F Depth (i Depth (i	3) s (B14) Ddor (C1 eres on ced Iron of tition in Ti (C7) a (D9) Remarks) nches): nches):) Living R (C4) illed Soil	Second:	ary Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2) S-Neutral Test (D5)		

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET - Midwest Region See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

• •	<u> </u>						
Project/Site: New Westville Project	c	ity/County:	Preble		Sampling	Date:	06/12/23
Applicant/Owner: AES Ohio				State: OH	Sampling	Point:	Dp-UPL-WAG-001
Investigator(s): A. Glenn	S	ection, Tow	nship, Rang	e: S25, T9N, R2	2E		
Landform (hillside, terrace, etc.): terrace	,	Loc	al relief (cor	icave, convex, no	ne): none		
Slope (%): 1 Lat: 39.8446759°		 Long: -84.6			Datum: NA	D83	
Soil Map Unit Name: CtA: Crosby-Celina silt loams, 0 to 2				NWI cla	assification: N/A		
Are climatic / hydrologic conditions on the site typical for th			. Х	No (lf no			
Are Vegetation N , Soil N , or Hydrology N sign	-			cumstances" pres		,	
Are Vegetation N , Soil N , or Hydrology N natu							
				ain any answers ir			
SUMMARY OF FINDINGS – Attach site map	showing sa	impling p	point loca	ations, transe	cts, importa	nt featu	ires, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	X		mpled Area Wetland?	a Yes _	No _X	_	
Remarks: Upland data point for Wetland WAG-001							
VEGETATION – Use scientific names of plants	.						
			dicator				
· · · · · · · · · · · · · · · · · · ·	Cover Spe	cies? S		Dominance Test			
2				Number of Domir Are OBL, FACW,	•	at 1	(A)
3.				Total Number of I			
4.				Species Across A		2	(B)
5				Percent of Domin	ant Species Tha	at	
_	=Tota	l Cover		Are OBL, FACW,	or FAC:	50.0	0% (A/B)
Sapling/Shrub Stratum (Plot size: 15)							
1				Prevalence Inde			
2				Total % Cove		Multiply b	
3				OBL species FACW species	0 x 1 0 x 2		
^{4.}	<u> </u>			FAC species	<u> </u>		
	=Tota	I Cover		FACU species	45 x 4		
Herb Stratum (Plot size: 5)				UPL species	0 x 5		
1. Festuca rubra	25 Y	<u>′es </u>	ACU	Column Totals	60 (A)	22	5 (B)
2. Vernonia gigantea	15 Y	′es	FAC	Prevalence Ind	ex = B/A =	3.75	
3. Trifolium pratense	10	No F	ACU				
4. Sorghum halepense	10 1	<u>No F</u>	ACU	Hydrophytic Veç			
5			.		t for Hydrophyti	c Vegetat	ion
6			-		e Test is >50%		
7			.	3 - Prevalenc	e Index is ≤3.0 ¹		

7		3 - Prevalence Index is ≤3.0 ¹
8.		4 - Morphological Adaptations ¹ (Provide supporting
9.		data in Remarks or on a separate sheet)
10		Problematic Hydrophytic Vegetation ¹ (Explain)
<u>Woody Vine Stratum</u> (Plot size: <u>5</u>))=Total Cover	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1		- Hydrophytic
2		Vegetation
	=Total Cover	Present? Yes <u>No X</u>
Remarks: (Include photo numbers here or on a separate she	eet.)	

Profile Desc Depth	ription: (Describe	to the depth		u ment ti « Feature		ator or o	confirm the absence	of indicators.	.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-16	10YR 3/4	100	/				Loamy/Clayey			
							Louiny, olayoy			
¹ Type: C=Co	ncentration, D=Dep	letion, RM=F	Reduced Matrix, N	/IS=Mas	ked San	d Grains	s. ² Locatio	n: PL=Pore Li	ning, M=Matr	ix.
Hydric Soil I								rs for Probler		
Histosol (A1)		Sandy Gle	yed Mat	rix (S4)		Coa	st Prairie Redo	ox (A16)	
Histic Epi	pedon (A2)		Sandy Red	lox (S5)			Iron	-Manganese M	lasses (F12)	
Black His	tic (A3)		Stripped M	latrix (S6	5)		Red	Parent Materia	al (F21)	
Hydroger	Hydrogen Sulfide (A4)			ce (S7)			Very	Shallow Dark	Surface (F22	2)
Stratified	Stratified Layers (A5)			cky Mine	eral (F1)		Othe	er (Explain in F	(emarks	
2 cm Mud	:k (A10)		Loamy Gle	yed Mat	rix (F2)					
Depleted	Below Dark Surface	e (A11)	Depleted N	/latrix (F	3)					
Thick Dark Surface (A12)			Redox Dar	k Surfac	e (F6)		³ Indicato	ors of hydrophy	tic vegetatior	n and
Sandy M	ucky Mineral (S1)		Depleted [0ark Sur	face (F7))		and hydrology	•	
5 cm Muc	ky Peat or Peat (S3)	Redox Dep	pression	s (F8)		unle	unless disturbed or problematic.		
Restrictive L	ayer (if observed):									
Туре:	N/A									
Depth (in	ches):		_				Hydric Soil Preser	nt?	Yes	No <u>X</u>
Remarks:										
Hydric soil ind	dicators absent									
HYDROLO	GY									
Wetland Hyd	rology Indicators:									
Primary Indic	ators (minimum of o	ne is require	d; check all that a	apply)			Seconda	ary Indicators (minimum of t	wo required)
Surface V	Vater (A1)		Water-Stai	ned Lea	ves (B9)			ace Soil Crack	· · /	
	er Table (A2)		Aquatic Fa					nage Patterns		
Saturation			True Aqua					Season Water		
Water Ma			Hydrogen					/fish Burrows (-	
	Deposits (B2)		Oxidized F			-		iration Visible		
Drift Depo	()		Presence			` '		ted or Stresse)
	or Crust (B4)		Recent Iro			illed Soil		morphic Positi		
Iron Depo		(DZ)	Thin Muck				FAC	-Neutral Test	D5)	
	n Visible on Aerial Ir	0,(,,	Gauge or \							
	Vegetated Concave	Surface (B8	6) Other (Exp	iain in R	emarks)					
Field Observ										
Surface Wate				Depth (ii	-					
Water Table I				Depth (ii	_			D (0)		
Saturation Pr		5	No <u>X</u>	Depth (ii	icnes):		Wetland Hydrold	gy Present?	Yes	No <u>X</u>
(includes cap			itoring woll pari-	Inhotoc	proview	e inens	tione) if available:			
Describe Rec	orded Data (stream	yauye, mon	noning well, aeria	i priotos	, previou	s inspec	suons), ii avallable:			
Remarks:										
	ology indicators are	absent								

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET - Midwest Region See ERDC/EL_TR-10-16: the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

	an agency		<u> </u>		, pulug		,
Project/Site: New Westville Project		City/Cour	nty: <u>Preble</u>		Sampling Da	te: 06/1	2/23
Applicant/Owner: AES Ohio				State: OH	Sampling Poi	int: Dp-V	VAG-002
Investigator(s): A. Glenn		Section, T	ownship, Ra	nge: S14 T9N R2E	-		
Landform (hillside, terrace, etc.): depression				concave, convex, none)	: concave		
Slope (%): 1 Lat: 39.8782512°			84.6149022°		Datum: NAD83	3	
Soil Map Unit Name: KoA: Kokomo silty clay loam, 0 to				NWI class		-)	
Are climatic / hydrologic conditions on the site typical f		-	Yes <u>X</u>				
Are Vegetation <u>N</u> , Soil <u>N</u> , or Hydrology <u>N</u>			re "Normal (Circumstances" present	? Yes <u>X</u>	No	_
Are Vegetation_N_, Soil_N_, or Hydrology_N_	naturally prob	lematic? (l	lf needed, ex	plain any answers in R	emarks.)		
SUMMARY OF FINDINGS – Attach site m	ap showin	g samplin	g point lo	cations, transects	s, important	features	s, etc.
Hydrophytic Vegetation Present? Yes X No	o	Is the	Sampled A	rea			
	o		n a Wetland		No		
	o						
Remarks:			a () () () () () () () () () (
Data point for Wetland WAG-002							
VEGETATION – Use scientific names of pla	ants.						
	Absolute	Dominant	Indicator				
Tree Stratum (Plot size: <u>30</u>)	% Cover	Species?	Status	Dominance Test wo	orksheet:		
1. <u>Salix nigra</u>	5	Yes	OBL	Number of Dominant	•	_	(•)
2				Are OBL, FACW, or	-	5	_(A)
3				Total Number of Dor Species Across All S		5	(B)
4				·	-		_(D)
J	5 =	Total Cover		Percent of Dominant Are OBL, FACW, or	•	100.0%	(A/B)
Sapling/Shrub Stratum (Plot size: 15)			,	-	100.070	_(,,,,,)
1. Sambucus nigra	, 10	Yes	FAC	Prevalence Index w	orksheet:		
2.				Total % Cover c	of: Mul	tiply by:	
3.				OBL species	50 x 1 =	50	
4.				FACW species	20 x 2 =	40	_
5				FAC species	10 x 3 =	30	_
	=	Total Cover		· · · · ·	10 x 4 =	40	_
Herb Stratum (Plot size: 5)					5 x 5 = _	25	_
1. Typha angustifolia	30	Yes	OBL		95 (A)	185	_(B)
2. Phalaris arundinacea	15	Yes	FACW	Prevalence Index	= B/A =	1.95	_
3. Carex frankii	15	Yes	OBL	Libraha mike stile Mars at	tion India at .		
4. Solidago altissima		<u>No</u>	FACU	Hydrophytic Vegeta			
5. Conium maculatum	5	<u>No</u>	FACW	1 - Rapid Test fo X 2 - Dominance T		egeration	
6. Pastinaca sativa 7.	5	No	UPL	X 3 - Prevalence I			
8.				4 - Morphologica		Provide eu	nnortin
9.					rks or on a sepai		• •
·							,

=Total Cover

<u>, , , , , , , , , , , , , , , , , , , </u>		Bommanoo	100010	00	
Х	3 -	Prevalence	Index is	s ≤3.	.0 ¹

4 - Morphological Adaptations ¹ (Provide supportin
data in Remarks or on a separate sheet)

_ Problematic Hydrophytic Vegetation ¹ (Explain)	
---	--

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

No

Hydrophytic Vegetation Present? Yes X

Remarks: (Include photo numbers here or on a separate sheet.)

<u>Woody Vine Stratum</u> (Plot size: <u>5</u>)

2.

10.

Profile Desc Depth	ription: (Describe t Matrix	o the depth		iment ti Featur		ator or c	onfirm the absence	e of indicators	5.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-16	10YR 4/2	80	10YR 4/6	20	<u>- 1990</u> C	 M	Loamy/Clayey	- Promine	nt redox conce	entrations
	1011(4/2		1011(4/0				Loanny/Clayey			
								_		
¹ Type: C=Co	ncentration, D=Depl	etion, RM=F	Reduced Matrix, N	/IS=Mas	ked San	d Grains	2Locatio	on: PL=Pore L	ining, M=Matr	ix.
Hydric Soil I	ndicators:						Indicat	ors for Proble	matic Hydric	Soils ³ :
Histosol (A1)		Sandy Gle	yed Mat	rix (S4)		Co	ast Prairie Red	ox (A16)	
Histic Epi	pedon (A2)		Sandy Red	lox (S5)			Iroi	n-Manganese N	Masses (F12)	
Black His	Black Histic (A3)			atrix (S6	3)		Re	d Parent Mater	ial (F21)	
Hydrogen Sulfide (A4)			Dark Surfa	ce (S7)			Ve	y Shallow Darl	k Surface (F22	2)
Stratified	Layers (A5)		Loamy Mu	cky Mine	eral (F1)		Oth	ner (Explain in I	Remarks)	
2 cm Mud	:k (A10)		Loamy Gle	yed Mat	trix (F2)					
Depleted	Below Dark Surface	(A11)	X Depleted N	/latrix (F	3)					
Thick Da	k Surface (A12)		Redox Dar	k Surfac	e (F6)		³ Indicat	ors of hydroph	ytic vegetatior	n and
Sandy M	ucky Mineral (S1)		Depleted D	ark Sur	face (F7))	we	tland hydrology	must be pres	ent,
5 cm Mud	ky Peat or Peat (S3)	X Redox Dep	pression	s (F8)		unless disturbed or problematic.			•
Restrictive L	ayer (if observed):									
Туре:	N/A									
Depth (in	ches):		_				Hydric Soil Prese	nt?	Yes X	No
Remarks:										
Hydric soil ind	dicators present									
HYDROLO	GY									
Wetland Hyd	rology Indicators:									
Primary Indic	ators (minimum of o	ne is require	ed; check all that a	apply)			Second	lary Indicators	(minimum of t	wo required)
X Surface V	Vater (A1)		Water-Stai		• • •			face Soil Cracl	· · ·	
	er Table (A2)		Aquatic Fa					ainage Patterns		
X Saturation			True Aqua		. ,			-Season Wate	. ,	
Water Ma	. ,		Hydrogen					ayfish Burrows	. ,	
	Deposits (B2)					-	· · · ·	uration Visible		
Drift Depo			Presence of			. ,		inted or Stresse		
	or Crust (B4)		Recent Iro			lied Soll	· · · · · · · · · · · · · · · · · · ·	omorphic Posit		
Iron Depo			Thin Muck		. ,		<u></u> FA	C-Neutral Test	(D5)	
	n Visible on Aerial In	0,0,0,0	°							
	Vegetated Concave		B) Other (Exp	ain in F	(emarks)		r			
Field Observ										
Surface Wate				Depth (ii	· -	2				
Water Table I				Depth (ii						
Saturation Pr		s <u>X</u>	No	Depth (ii	ncnes):	0	Wetland Hydrol	ogy Present?	Yes X	No
(includes cap				I nh c+	nro de la	. inc	tions) if our list is			
Describe Rec	orded Data (stream	gauge, mor	moring well, aeria	i priotos	, previou	s inspec	uoris), ii avallable:			
Remarks:										
	ology indicatgors are	present								
	sissy malougors are	, p. 00011								

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Midwest Region See ERDC/EL TR-10-16: the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

			-00-1					·
Project/Site: New Westville Project		City/Co	ounty: Preble		Sa	mpling Da	te: <u>06/</u>	12/23
Applicant/Owner: AES Ohio				State: OH	Sar	mpling Poi	int:	PL-WAG-002
Investigator(s): A. Glenn		Section	, Township, Ra	nge: S14 T9N R2E				
Landform (hillside, terrace, etc.): terrace		_	Local relief (c	concave, convex, non	e): none			
Slope (%): 1 Lat: 39.8782183°		Long:	- -84.6148810°		Datur	m: NAD83	3	
Soil Map Unit Name: KoA: Kokomo silty clay loam, 0 to	o 1 percent slo	 opes (6225	65)	NWI cla		n: N/A		
Are climatic / hydrologic conditions on the site typical f	or this time of	year?	Yes X	No (If no,	explain i	n Remark	s.)	
Are Vegetation N , Soil N , or Hydrology N	significantly d	isturbed?						
Are Vegetation N , Soil N , or Hydrology N				plain any answers in				
						-	footuro	o oto
SUMMARY OF FINDINGS – Attach site m	ap showin	y sampi			.s, iiiip		leature	5, etc.
Hydric Soil Present? Yes No	0 X 0 X 0 X		he Sampled Ai hin a Wetland?		N	lo_X_		
Remarks: Upland data point for Wetland WAG-002								
VEGETATION – Use scientific names of pla	ants.							
Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?		Dominance Test	workshe	et:		
1. 2.				Number of Domina Are OBL, FACW, o	•	ies That -	0	(A)
3				Total Number of D Species Across Al			1	(B)
5	=====	Total Cove	er	Percent of Domina Are OBL, FACW, o	•	es That	0.0%	(A/B)
Sapling/Shrub Stratum (Plot size: 15 1.)			Prevalence Index	worksh	eet:		
2.				Total % Cove	r of:	Mul	tiply by:	
3	. <u> </u>			OBL species	0	x 1 = _	0	
4				FACW species	5	x 2 = _	10	
5				FAC species	0	_ x 3 = _	0	_
	=	Total Cove	er	FACU species	90	- ×4=_	360	
Herb Stratum (Plot size: 5)	60	Vaa	FACU	UPL species	0	$- \frac{x5}{(1)} = -$	0	— (D)
Festuca rubra Plantago lanceolata	<u> </u>	Yes No	FACU FACU	Column Totals: Prevalence Inde	95	_(A)	370 3.89	_(B)
3 Taraxacum officinale	10	No	FACU		;⊼ – D/A	. –	0.08	

Hydrophytic Vegetation Indicators:

5.	Conium maculatum	5	No	FACW	1 - Rapid Test for Hydrophytic Vegetation
6.					2 - Dominance Test is >50%
7.					3 - Prevalence Index is ≤3.0 ¹
8.					4 - Morphological Adaptations ¹ (Provide supporting
9.					data in Remarks or on a separate sheet)
10.	<u> </u>				Problematic Hydrophytic Vegetation ¹ (Explain)
Wo	oody Vine Stratum (Plot size: 5)	95	=Total Cover		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. 2.			. <u> </u>		Hydrophytic Vegetation
			=Total Cover		Present? Yes <u>No X</u>
Re	marks: (Include photo numbers here or on a senar	ate sheet)			

No

FACU

10

Remarks: (Include photo numbers here or on a separate sheet.)

4. Trifolium repens

Profile Desc Depth	ription: (Describe Matrix	to the dept		u ment ti k Feature		ator or c	onfirm the absence o	t indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remark	s
0-16	10YR 3/4	100					Loamy/Clayey		
							Louiny, oldyby		
							<u> </u>	1	
¹ Type: C=Co	oncentration, D=Dep	letion, RM=	Reduced Matrix, N	⊿S=Mas	ked San	d Grains	² Location:	PL=Pore Lining, M=N	latrix.
Hydric Soil I	ndicators:						Indicators	s for Problematic Hyd	ric Soils ³ :
Histosol ((A1)		Sandy Gle	yed Mat	rix (S4)		Coast	Prairie Redox (A16)	
Histic Ep	ipedon (A2)		Sandy Rec	dox (S5)			Iron-M	langanese Masses (F1	2)
Black His	tic (A3)		Stripped M	latrix (S6	5)		Red P	Parent Material (F21)	
Hydroger	n Sulfide (A4)		Dark Surfa	ice (S7)			Very S	Shallow Dark Surface (F22)
Stratified	Layers (A5)		Loamy Mu	cky Mine	eral (F1)		Other	(Explain in Remarks)	
2 cm Mu	ck (A10)		Loamy Gle	eyed Mat	rix (F2)				
Depleted	Below Dark Surface	e (A11)	Depleted N	/atrix (F	3)				
Thick Da	rk Surface (A12)		Redox Dar	k Surfac	e (F6)		³ Indicators	s of hydrophytic vegeta	tion and
Sandy M	ucky Mineral (S1)		Depleted D		• •)	wetlar	nd hydrology must be p	resent,
5 cm Mu	cky Peat or Peat (S3)	Redox Dep	pression	s (F8)		unless	s disturbed or problema	atic.
Restrictive L	ayer (if observed):								
Туре:	N/A								
Depth (in	ches):						Hydric Soil Present	? Yes	<u>No X</u>
Remarks:									
Hydric soil is	absent								
HYDROLO	GY								
-	Irology Indicators:								
	ators (minimum of o	ne is require						/ Indicators (minimum	of two required)
	Vater (A1)		Water-Stai		()			ce Soil Cracks (B6)	
	er Table (A2)		Aquatic Fa					age Patterns (B10)	
Saturatio			True Aqua					eason Water Table (C2	2)
Water Ma			Hydrogen					sh Burrows (C8)	
	t Deposits (B2)					-		ation Visible on Aerial I	
·	osits (B3)		Presence of			· /		ed or Stressed Plants (D1)
	t or Crust (B4)		Recent Iro			lied Soll	· · · · · · · · · · · · · · · · · · ·	orphic Position (D2)	
Iron Depo	()		Thin Muck				FAC-1	Neutral Test (D5)	
	n Visible on Aerial In	0,00	°		· · /				
	Vegetated Concave		8) Other (Exp		emarks)		·		
Field Observ									
Surface Wate				Depth (ii	-				
Water Table				Depth (ii					
Saturation Pr		s	No <u>X</u>	Depth (ii	ncnes):		Wetland Hydrolog	y Present? Yes	NoX
(includes cap				mk = + -		o in	tiono) if available		
Describe Red	orded Data (stream	gauge, moi	moring well, aeria	i priotos	, previou	s inspec	uons), II avallable:		
Remarks:									
	ology indicatcors are	abcont							
	ology multateous an								

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET - Midwest Region See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New Westville Project		City/Cour	nty: Preble		Sampling Date:	06/13/23
Applicant/Owner: AES Ohio				State: OH	Sampling Point:	Dp-WAG-003
Investigator(s): A. Glenn	, , , , , , , , , , , ,	Section, T	ownship, Rang	ge: S11 T9N R2E	_	
Landform (hillside, terrace, etc.): depression				ncave, convex, none). concave	
Slope (%): 1 Lat: 39.887676°			84.614920°		Datum: NAD83	
		Long	04.014320			
Soil Map Unit Name: KnA: Kokomo silt loam, 0 to 1 po					sification: N/A	
Are climatic / hydrologic conditions on the site typical				No (If no, et		
Are Vegetation <u>N</u> , Soil <u>N</u> , or Hydrology <u>N</u>	significantly d	listurbed? A	re "Normal Cir	cumstances" presen	t? Yes X N	o
Are Vegetation <u>N</u> , Soil <u>N</u> , or Hydrology <u>N</u>	naturally prob	olematic? (lf needed, expl	ain any answers in F	Remarks.)	
SUMMARY OF FINDINGS – Attach site m	nap showin	g samplin	g point loc	ations, transect	s, important fea	atures, etc.
	lo		Sampled Are			
	lo	withir	n a Wetland?	Yes X	No	
	lo					
Remarks:						
Data point for Wetland WAG-003						
		I I I I I	, , , , , , , , , , , , , , , , , , ,			
VEGETATION – Use scientific names of pla			<u> </u>			
Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test w	orkshoot.	
1. Fraxinus pennsylvanica	10	Yes	FACW			
2. Acer saccharinum	10	Yes	FACW	Number of Dominan Are OBL, FACW, or	•	4 (A)
3.				Total Number of Do		(
4.				Species Across All S		4 (B)
5.				Percent of Dominan		
	20 =	Total Cover		Are OBL, FACW, or	•	0.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15)					
1				Prevalence Index w	vorksheet:	
2				Total % Cover	of: Multipl	y by:
3				· ·	20 x 1 =	20
4						180
5				FAC species	5 x 3 =	15
Userb Obserbases (Dist.)		Total Cover		FACU species	0 x 4 =	0
Herb Stratum (Plot size: 5)	00	V.		UPL species	$0 \times 5 =$	0 245 (D)
1. Phalaris arundinacea	<u> </u>	Yes Yes	FACW	Column Totals:	(/	215 (B)
2. Carex frankii 3. Urtica dioica		<u> </u>	OBL FACW	Prevalence Index	= B/A = <u>1.8</u>	<u> </u>
4. Conium maculatum	- <u> </u>	No	FACW	Hydrophytic Veget	ation Indicators	
Contum maculatum S. Toxicodendron radicans	- <u> </u>	No	FAC FAC		or Hydrophytic Vege	atation
6.				X 2 - Dominance	, , , ,	
7.				X 3 - Prevalence I		
8.					al Adaptations ¹ (Pro	vide supportir
9.					irks or on a separate	

95 =Total Cover

=Total Cover

)

Problematic Hydrophytic Vegetation ¹ (Explain)	
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¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

No

Hydrophytic Vegetation Present? $\textbf{Yes} _ X$

Remarks: (Include photo numbers here or on a separate sheet.)

·____

(Plot size: 5

Woody Vine Stratum

10.

1. _

2.

Г

(inches) Color (moist) % Color (moist) % Type Loc ² Texture Remarks 0-16 10VR 3/2 00 10VR 3/6 10 C M Loarny/Clayey Prominent redox concentrations	Depth	ription: (Describe Matrix	to the deptr		Feature		ator or c	confirm the absen	ce of indicators	5.)	
B-16 10YR 3/2 90 10YR 3/6 10 C M Learnyt/Clayey Prominent redox concentrations "Type: C-Concombration, D-Dopbetion, RM=Reduced Matix, MS=Masked Sand Grains. *Location: PL=Pore Lining, M=Matrix. "Hydric Soll Indicators: Indicators for Problematic Hydric Solls?: Indicators for Problematic Hydric Solls?: Histics Dipedon (A) Sandy Gleyod Matrix (S6) Const Praire Redox (A16) Const Praire Redox (A16) Stratified Layers (A5) Loarny Gleyed Matrix (F2) Deplote Matrix (F2) Deplote Matrix (F2) Deplote Dark Surface (A12) X Redox Dark Surface (F3) "unless disturbed or problematic. Fraire Redox (A16) Sandy Mucky Mineral (51) Deploted Matrix (F2) Other (Explain in Remarks) Const Traine Remarks. Sandy Mucky Mineral (51) Deploted Matrix (F2) Wetrastace (F7) wetland Hydrology must persent, unless disturbed or problematic. Remark: Hydric Soil Present? Yes X No Sandy Mucky Mineral (51) Deploted Matrix (F2) Deploted Matrix (F2) Deplote diabators present Water-Stained Leaves (F9) Miclators of hydrophytic vegation and wetast disturbed or problematic. Retrat	•		%				Loc ²	Texture		Remarks	
Image: C-Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. *Location: PL=Pore Lining, M=Matrix. Hydric Soil Indicators: Indicators for Photobantic Hydric Soils*: Histosoi (A1) Sandy Gleyed Matrix (S6) Indicators for Photobantic Hydric Soils*: Histosoi (A2) Sandy Gleyed Matrix (S6) Indicators for Photobantic Hydric Soils*: Black Histo (A2) Sandy Gleyed Matrix (S6) Indicators for Photobantic Hydric Soils*: Stratified Layers (A3) Dark Surface (S7) Vory Shallow Dark Surface (F2) Black Histo (A3) Loamy Gleyed Matrix (F2) Offer (Explain In Remarks) Boepleted Blow Dark Surface (A11) Depleted Dark Surface (F6) Indicators of hydrophytic vegetation and wettion dhydroidy must be present, is 6 on Mudry Phart or Peat (S3) Redox Depressions (F8) Boeplet (Inches): NA Depleted Leves (F9) Incleators of hydrophytic vegetation and wettion dhydroidgy must be present, is 6 on Mudry Matrix (B1) Secondary Indicators (minimum of two required) Surface Vide (Toberved): Ype: NA NA Secondary Indicators (minimum of two required) Surface Vide (Toberved): Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10) Surface S(G1) Surface Vater Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10) S	<u> </u>			/				l oamv/Clavev	Promine		entrations
Hydric Soll Indicators: Indicators for Problematic Hydric Solls ¹ : Histics Epipedion (A2) Sandy Gleyed Matrix (S4) Coast Prairie Redox (A16) Histics Epipedion (A2) Sandy Redox (S5) Iron-Manganese Masses (F12) Black Histic (A3) Stripped Matrix (S4) Red Parent Material (F21) Hydrogen Suffdie (A4) Dark Surface (S7) Very Shallow Dark Surface (F22) 2 orm Muck (A10) Loarny Mucky Mineral (F1) Other (Explain in Remarks) 2 orm Muck (A10) Depited Matrix (F2) Depited Matrix (F2) Depited Below Dark Surface (A12) X Redox Dark Surface (F6) ^a Indicators of hydrophytic vegetation and Surface (F6) S orm Muck (A10) Depited Matrix (F3) unless disturbed or problematic Bestrictive Layer (If observed): Type: NA Deptit (Inches): NA Na Burght (Inches): NA Surface Soll Oracks (B6) Surface Valuer (A1) Water Stained Leaves (B9) Surface Soll Oracks (B6) Hydric soll Indicators (Rinimum of one is required; check all that apply) Secondary Indicators (Iniminum of two required) Surface Valuer (A1) Water Marks (B1) Hydrige Soll Cracks (B6) High Vater Table (A2) Aquatic Fanate (B13) Dressean Water Table (C2) Mater Marks (B1) Hydrige Odd (C1) Craylish Burrows (C3) <td></td>											
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			letion, RM=F	Reduced Matrix, N	/IS=Mas	ked San	d Grains				
Histic Epipedon (A2) Sandy Redox (S5) Iron-Manganese Masses (F12) Black Histic (A3) Stripped Matrix (S6) Red Parent Material (F21) Hydrogen Sulfide (A4) Dark Sufface (S7) Very Shallow Dark Sufface (F22) Stratified Layers (A5) Loamy Mucky Mineral (F1) Other (Explain in Remarks) 2 cm Muck (A10) Depieted Matrix (F3) Thick Dark Sufface (A11) Depieted Matrix (F3) Thick Dark Sufface (A12) X Redox Dark Sufface (F6) ³ Indicators of hydrophytic vegetation and set Sufface (F7) Sandy Mucky Mineral (S1) Depieted Matrix (F3) unless disturbed or problematic. Restrictive Layer (If observed): Type: NA Type:	•									-	Soils ³ :
Black Histic (A3) Stripped Matrix (S6) Red Parent Material (F21) Hydrogen Sulfide (A4) Dark Surface (S7) Very Shallow Dark Surface (F22) Stratified Layers (A5) Loamy Mukey Mineral (F1) Other (Explain in Remarks) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. S andy Mucky Mineral (S1) Depleted Dark Surface (F7) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if Observed): Type: N/A Deph (inches): N/A No Remarks: Hydric Soil Present? Yes X No Mirary Mucky Mineral (S1) Water-Stained Leaves (B9) Surface Soil Cracks (B6) Surface Soil Cracks (B6) Type: N/A Water-Stained Leaves (B9) Surface Soil Cracks (B6) Dry-Season Mater Table (C2) Sufface Water (A1) Water-Stained Leaves (B9) Saurface Soil Cracks (B6) Dry-Season Mater Table (C2) Saturation (A3) True Aquatic Fauna (B13) Dry-Season Mater Table (C2) Crayfish Burrows (C8) Saturation (S1) Hydrogen Sulfide Odor (C1) Saturation Visible on Aerial Imagery (C9) Saturation Visible on Aeri		,			-					()	
Hydrogen Sulfide (A4) Dark Surface (S7) Very Shallow Dark Surface (F22) Strattified Layers (A5) Loamy Mucky Mineral (F1) Other (Explain in Remarks) 2 cm Mucky Mineral (S1) Depleted Matrix (F2) Depleted Below Dark Surface (A12) X. Redox Dark Surface (F6) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. S cm Mucky Meet of Peat (S3) X. Redox Depressions (F8) unless disturbed or problematic. Restrictive Layer (if observed): Type: N/A Type: N/A Deph (inches): Hydric Soil Present? Yes X No Remarks: Hydric Soil Present? Yes X No Remarks: Hydric soil indicators present Secondary Indicators (minimum of two required) Sufface Water (A1) Water-Stained Leaves (B9) Sufface Soil Cracks (B6) J High Water Table (A2) Aquatic Plants (B14) Drainage Patterns (B10) Saturation (A3) True Aquatic Plants (B14) Dry-Season Water Table (C2) Wetland Hydrology Indicators Xordized Rhitosopheres on Living Roots (C3) Saturation (N3) Saturation (A3) True Aquatic Plants (B14) Dry-Season Water Table (C2) Wetland Hydrology Indicators									-		
Stratified Layers (A5) Loamy Mucky Mineral (F1) Other (Explain in Remarks) 2 cm Muck (A10) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F2) S and Mucky Mineral (S1) Depleted Dark Surface (F7) s of Mucky Peat or Peat (S3) X Redox Dark Surface (F7) wetland hydrology must be present. 5 of Mucky Peat or Peat (S3) X Redox Depressions (F8) Type: N/A Depleted Dark Surface (F7) wetland hydrology must be present. Restrictive Layer (if observed): Type: Type: N/A Depleted Park Surface (F7) wetland hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Secondary Indicators (minimum of two required) Surface Water (A1) Water-Stained Leaves (B9) Surface Soil Cracks (B6) High Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10) Saturation (A3) Tuce Aquatic Plants (B14) Dry-Season Water Table (C2) Sediment Deposits (B2) X Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Strated or Stressed Plants (D1) Hydrogen Sufface Odr (C1) Saturation Visible on Aerial Imagery (C9)						5)				. ,	
2 cm Muck (A10) Loamy Gleyed Matrix (F2) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) X. Redox Dark Surface (F6) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) s om Mucky Peat or Peat (S3) X. Redox Depressions (F8) rype: N/A Depth (inches): NA Depth (inches): NA Mydric soil indicators present Hydric Soil Present? Yes _X									-	-	2)
Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thick Dark Surface (A12) X Redox Dark Surface (F6) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. S orm Mucky Peat or Peat (S3) X Redox Dark Surface (F7) wetland hydrology must be present, unless disturbed or problematic. Remarks: NA Depth (inches): NA Depth (inches): NA NA Depth (inches): NA NA Surface Soil Present? Yes X No Remarks: Hydric Soil Present? Yes X No Burface Water (A1) Water-Stained Leaves (B9) Surface Soil Cracks (B8) Drainage Patterns (B10) Saturation (A3) True Aquatic Plants (B14) Dry-Season Water Table (C2) Mayatic Plants (B14) Dry-Season Water Table (C2) Sediment Deposits (B2) X Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Situnde or Stresed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) X Geomphile Position (D2) I'ndicators (B5) Thin Muck Surface (C7) X FAC-Neutral Test (D5) I'ndicators (B5) Thin Muck Surface (C1) Saturation Present? Yes X					-			C	ther (Explain in	Remarks)	
Thick Dark Surface (A12) X Redox Dark Surface (F6) ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Rem Mucky Peat or Peat (S3) X Redox Depressions (F8) unless disturbed or problematic. Restrictive Layer (if observed): NA unless disturbed or problematic. Type: NA NA NA Depth (inches): Hydric Soil Present? Yes_X No Remarks: Hydric Soil Indicators present Hydric Soil Cracks (B6) Surface Soil Cracks (B6) Surface Vater (A1) Water-Stained Leaves (B9) Surface Soil Cracks (B6) Drainage Patterns (B10) Surface Vater (A1) Hydrogon Sufface Odr (C1) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Sediment Deposits (B2) X Oxidized Rhizospheres on Living Roots (C3) Saturation (Visible on Aerial Imagery (C9) Inft Deposits (B3) Presence of Reduced Iron (C4) Secondary Indicators (D5) Secondary Indicator (D2) Inductor Stressed Plants (D1) Gauge or Well Data (D9) Saturation Visible on Aerial Imagery (C9) Saturation Visible on Aerial Imagery (B7) Gauge or Well Data (D9) By a present? Yes No X Depth (inches)			(-						
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): NA			e (A11)		•	,		31	-tono of boulder 1		
		· · · ·									
Restrictive Layer (If observed): N/A Type: N/A Depth (inches): Hydric Soil Present? Yes _X_ No		, ,	`			• •)				
Type: N/A Depth (inches): Hydric Soil Present? Yes _ X _ No Remarks: Hydric soil indicators present No HYDROLOGY Secondary Indicators (minimum of two required) Surface Water (A1) Water-Stained Leaves (B9) Surface Soil Cracks (B6) High Water Table (A2) Aquatic Fauna (B13) Drainage Patterns (B10) Saturation (A3) True Aquatic Plants (B14) Dry-Season Water Table (C2) Water Marks (B1) Hydrogen Sulface Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) X Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Diff Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Aqual Ma or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) X Geomorphic Position (D2) Iron Deposits (B3) Presence of Reduced Iron (C4) X FAC-Neutral Test (D5) Inundation Visible on Aerial Imagery (B7) Gauge or Well Data (D9) Sparsely Vegetated Concave Surface (B8) Surface Water Present? Yes No X Depth (inches): No			-		Diession	S (FO)		u	niess disturbed		•
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Field Observations: Surface Water Present? Yes Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): (includes capillary fringe) Wetland Hydrology Present? Yes Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:			0,(,,			· · /					
Surface Water Present? Yes No _X Depth (inches): Water Table Present? Yes No _X Depth (inches): Saturation Present? Yes No _X Depth (inches): Values capillary fringe) No _X Depth (inches): Wetland Hydrology Present? Yes _X No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: Remarks:			Surface (B8		iain in R	emarks)					
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:			s		Depth (II	iches):			ology Present?		NO
Remarks:				itoring well agric	Inhotoc	nreviou	e inenco	tions) if available:			
	Describe Ket	ordeu Data (Stream	yauye, mon	noning well, aella	i priotos	, previou	s inspec	aons), ii avaliadle.			
	Remarks:										
		ology indicators are	present								

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Midwest Region See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New Westville Project		City/Cou	nty: Preble		Sampling	g Date:	06/13	/23
Applicant/Owner: <u>AES Ohio</u>				State: OH	Sampling	g Point:	Dp-UPL-	WAG-003
Investigator(s): A. Glenn		Section,	Township, Rai	nge: S11 T9N R2E				
Landform (hillside, terrace, etc.): terrace			Local relief (c	oncave, convex, non	e): none			
Slope (%): 1 Lat: 39.887682°		Long: ·	-84.614840°		Datum: NA	AD83		
Soil Map Unit Name: KoA: Kokomo silty clay loam, 0 to	1 percent sl	opes		NWI clas				
Are climatic / hydrologic conditions on the site typical for			Yes X					
Are Vegetation N , Soil N , or Hydrology N si		-					`	
						<u> </u>		•
Are Vegetation N , Soil N , or Hydrology N na				plain any answers in	-			
SUMMARY OF FINDINGS – Attach site ma	p showin	ig samplir	ng point lo	cations, transec	ts, importa	ant fea	tures	, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No	x x		e Sampled Ar n a Wetland?		No>	ĸ		
Wetland Hydrology Present? Yes No								
Remarks:		I						
Upland data point for Wetland WAG-003								
VEGETATION – Use scientific names of plan	ts.							
/	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test	vorksheet:			
1 2				Number of Domina Are OBL, FACW, c	•	nat	1	(A)
3. 4.				Total Number of D Species Across All			2	(B)
5.				Percent of Domina				(-/
Sapling/Shrub Stratum (Plot size: 15)	=======================================	=Total Cover		Are OBL, FACW, c	•		0.0%	(A/B)
1			-	Prevalence Index	worksheet:			
2.				Total % Cover		Multiply	v by:	
3.				OBL species	0 x 1		0	
4				FACW species	20 x 2	2 =	40	
5				FAC species	<u>20</u> x 3	3 =	60	
	==	Total Cover		FACU species	<u>10</u> x 4		40	
Herb Stratum (Plot size: 5)				UPL species	<u>30 x 5</u>		150	
1. Glycine max	30	Yes		Column Totals	80 (A)		290	(B)
2. Echinochloa crus-galli	20	Yes	FACW	Prevalence Inde	x = B/A =	3.63	<u> </u>	.
3. Alliaria petiolata	10 10	<u>No</u>	FAC FACU	Hydrophytic Vog	tation Indiaa	tora		
Stellaria media Vernonia gigantea	10	<u>No</u>	FACU	Hydrophytic Vege 1 - Rapid Test			tation	
6.	10	NO		2 - Dominance		-	alion	
7				3 - Prevalence				
Q				4 - Morphologi			ide sur	norting
0					arks or on a s	•		porang
9 10				Problematic H				in)
	80 =	=Total Cover				-		,
Woody Vine Stratum (Plot size: 5)			ŀ	¹ Indicators of hydri be present, unless				must
1				Hydrophytic				

=Total Cover

Remarks: (Include photo numbers here or on a separate sheet.)

2.

No X

Yes ____

Vegetation

Present?

Г

(inches)							
	Color (moist)	%	Color (moist)	% Type ¹	Loc ²	Texture	Remarks
0-16	10YR 4/3	100				Loamy/Clayey	
·							
¹ Type: C=Cor	ncentration, D=Dep	letion, RM	=Reduced Matrix, N	VS=Masked San	d Grains	2Location:	PL=Pore Lining, M=Matrix.
Hydric Soil Ir	ndicators:					Indicators	for Problematic Hydric Soils ³ :
Histosol (/	A1)		Sandy Gle	eyed Matrix (S4)		Coast I	Prairie Redox (A16)
Histic Epi	pedon (A2)		Sandy Red	dox (S5)		Iron-Ma	anganese Masses (F12)
Black Hist	tic (A3)		Stripped N	latrix (S6)		Red Pa	arent Material (F21)
Hydrogen	Sulfide (A4)		Dark Surfa	ace (S7)		Very S	hallow Dark Surface (F22)
Stratified I	Layers (A5)		Loamy Mu	icky Mineral (F1)		Other (Explain in Remarks)
2 cm Muc	k (A10)		Loamy Gle	eyed Matrix (F2)			
Depleted	Below Dark Surface	e (A11)	Depleted N	Matrix (F3)			
Thick Dar	k Surface (A12)		Redox Dar	rk Surface (F6)		³ Indicators	of hydrophytic vegetation and
Sandy Mu	icky Mineral (S1)		Depleted D	Dark Surface (F7))	wetland	d hydrology must be present,
5 cm Muc	ky Peat or Peat (S3	3)	Redox Dep	pressions (F8)		unless	disturbed or problematic.
Restrictive L	ayer (if observed):						
Туре:	N/A						
Depth (inc	ches):					Hydric Soil Present?	Yes No X
Remarks:							
	GY						
Wetland Hyd	rology Indicators:	ne is requi	red; check all that a	apply)		Secondary	Indicators (minimum of two required
Wetland Hyd	rology Indicators: ators (minimum of o	ne is requi		apply) ined Leaves (B9)			Indicators (minimum of two required
Wetland Hyd Primary Indica Surface W	rology Indicators: ators (minimum of o Vater (A1)	ne is requi	Water-Stai	ined Leaves (B9)		Surface	e Soil Cracks (B6)
Wetland Hyd Primary Indica Surface W High Wate	rology Indicators: ators (minimum of o Vater (A1) er Table (A2)	ne is requi	Water-Stai	ined Leaves (B9)		Surface Draina	e Soil Cracks (B6) ge Patterns (B10)
Wetland Hyd Primary Indica Surface W High Wate Saturation	rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3)	ne is requi	Water-Stai Aquatic Fa True Aqua	ined Leaves (B9) auna (B13) itic Plants (B14)		Surface Draina Dry-Se	e Soil Cracks (B6) ge Patterns (B10) ason Water Table (C2)
Wetland Hyd Primary Indica Surface W High Wate Saturation Water Ma	rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3)	ne is requi	Water-Stai Aquatic Fa True Aqua Hydrogen	ined Leaves (B9) auna (B13))	Surface Drainag Dry-Se Crayfis	e Soil Cracks (B6) ge Patterns (B10)
Wetland Hyd Primary Indica Surface W High Wate Saturation Water Ma	rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2)	ne is requi	Water-Stai	ined Leaves (B9) auna (B13) tic Plants (B14) Sulfide Odor (C1) Living Ro	Surface Draina Dry-Se Crayfis pots (C3)	e Soil Cracks (B6) ge Patterns (B10) ason Water Table (C2) h Burrows (C8)
Wetland Hydr Primary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo	rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2)	ne is requi	Water-Stai	ined Leaves (B9) auna (B13) tic Plants (B14) Sulfide Odor (C1 Rhizospheres on I) Living Ro (C4)	Surface Drainag Dry-Se Crayfis pots (C3) Saturat	e Soil Cracks (B6) ge Patterns (B10) ason Water Table (C2) h Burrows (C8) tion Visible on Aerial Imagery (C9)
Wetland Hydr Primary Indica Surface W High Wate Saturation Water Ma Sediment Drift Depo	rology Indicators: ators (minimum of o Vater (A1) er Table (A2) h (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4)	ne is requi	Water-Stail Aquatic Fa True Aqua Hydrogen Oxidized F Presence o Recent Iro	ined Leaves (B9) auna (B13) tic Plants (B14) Sulfide Odor (C1 Rhizospheres on I of Reduced Iron () Living Ro (C4)	Surface Drainage Dry-Se Crayfis Sots (C3) Saturat Stunted s (C6)	e Soil Cracks (B6) ge Patterns (B10) ason Water Table (C2) h Burrows (C8) tion Visible on Aerial Imagery (C9) d or Stressed Plants (D1)
Wetland Hyd Primary Indica Surface W High Wate Saturatior Water Ma Sediment Drift Depo Algal Mat Iron Depo	rology Indicators: ators (minimum of o Vater (A1) er Table (A2) h (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4)		Water-Stail Aquatic Fa True Aqua Hydrogen Oxidized F Presence of Recent Iro Thin Muck	ined Leaves (B9) auna (B13) tic Plants (B14) Sulfide Odor (C1 Rhizospheres on I of Reduced Iron (n Reduction in Ti) Living Ro (C4)	Surface Drainage Dry-Se Crayfis Sots (C3) Saturat Stunted s (C6)	e Soil Cracks (B6) ge Patterns (B10) ason Water Table (C2) h Burrows (C8) tion Visible on Aerial Imagery (C9) d or Stressed Plants (D1) orphic Position (D2)
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U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET - Midwest Region See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New Westville Project		City/Cou	nty: Preble		Sampling Date:	06/14/23
Applicant/Owner: <u>AES Ohio</u>				State: OH	Sampling Point:	Dp-WAG-005
Investigator(s): A. Glenn		Section, 7	Township, Ra	ange: S4 T8N R1E		
Landform (hillside, terrace, etc.): depression			Local relief (concave, convex, none):	concave	
Slope (%): 4 Lat: 39.8259342°		Lona: -	.84.7606148°)	Datum: NAD83	
Soil Map Unit Name: MfB2: Miamian-Celina silt loams	2 to 6 perc				fication: N/A	
Are climatic / hydrologic conditions on the site typical			Yes X			
		•		No (If no, ex		
Are Vegetation N , Soil N , or Hydrology N				Circumstances" present		°
Are Vegetation N , Soil N , or Hydrology N	naturally pro	oblematic? ((If needed, ex	kplain any answers in Re	emarks.)	
SUMMARY OF FINDINGS – Attach site m	nap showi	ng samplin	ng point lo	cations, transects	, important fea	tures, etc.
Hydric Soil Present? Yes X N	lo lo lo		e Sampled A n a Wetland		No	
Data point for wetland WAG-005						
VEGETATION – Use scientific names of pla	ants.					
· · · · · ·	Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test wo	rksheet:	
1. <u>Salix nigra</u>		Yes	OBL	Number of Dominant	•	- ()
2. Fraxinus pennsylvanica		Yes	FACW	Are OBL, FACW, or F	-AC:	7(A)
 Pyrus calleryana 4. 	5	Yes	UPL	Total Number of Dom		8 (B)
4 5.		·		Species Across All S		8 (B)
J	15	=Total Cover		Percent of Dominant Are OBL, FACW, or F	•	7.5% (A/B)
Sapling/Shrub Stratum (Plot size: 15)				<u> </u>	<u>(</u> (10)
1. <u> </u>	.,			Prevalence Index w	orksheet:	
2.				Total % Cover o	f: Multiply	/ by:
3.				OBL species 5	0 x 1 =	50
4				FACW species 3	5 x 2 =	70
5				FAC species 1	<u>0 x 3 =</u>	30
		=Total Cover) x 4 =	0
Herb Stratum (Plot size: 5)				·	5 x 5 =	25
1. Typha angustifolia	40	Yes	OBL		(/	175 (B)
2. Phalaris arundinacea	10	Yes	FACW	Prevalence Index	= B/A =1.75	5
3. Phragmites australis	10	Yes	FACW			
4. Toxicodendron radicans	10	Yes	FAC	Hydrophytic Vegeta		
5. Conium maculatum		Yes	FACW	I <u> </u>	Hydrophytic Vege	tation
6. <u>Scirpus atrovirens</u>	5	<u>No</u>	OBL	X 2 - Dominance T		
7	·	·		X 3 - Prevalence In		
8				°	Adaptations ¹ (Prov	••
9	·	·			ks or on a separate	,
10.				Problematic Hydr	ophytic Vegetation	' (Explain)

85 =Total Cover

=Total Cover

Problematic Hydrophytic Vegetation	^I (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

No

Hydrophytic Vegetation Present? $\textbf{Yes} _ X$

Remarks: (Include photo numbers here or on a separate sheet.)

(Plot size: <u>5</u>)

Woody Vine Stratum

1. _

2.

Depth	Matrix		oth needed to doc Redo	x Featur						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	3
0-16	10YR 5/1	80	10YR 4/6	20	C	M	Loamy/Clayey	Promir	ent redox co	ncentrations
·		·								
·		<u> </u>								
¹ Type: C=Cor	ncentration, D=Dep	letion, RM	=Reduced Matrix, I	MS=Mas	ked San	d Grains	² Loca	tion: PL=Pore	Lining, M=M	atrix.
Hydric Soil In			· · · · ·					ators for Prob		
Histosol (A	A1)		Sandy Gle	eyed Mat	rix (S4)		С	oast Prairie Re	edox (A16)	
	bedon (A2)		Sandy Red					on-Manganese		2)
Black Hist			Stripped M					ed Parent Mat	-	
	Sulfide (A4)		Dark Surfa		,			ery Shallow D	. ,	-22)
· •	Layers (A5)		Loamy Mu	icky Mine	eral (F1)) ther (Explain i	•	
2 cm Muc			Loamy Gle	-					,	
	Below Dark Surface	e (A11)	X Depleted I	-						
Thick Darl	k Surface (A12)	. ,	Redox Da				³ Indic	ators of hydror	hytic vegetat	ion and
 Sandy Mu	cky Mineral (S1)		Depleted [Dark Sur	face (F7))	w	etland hydrolo	gy must be p	resent,
5 cm Muc	ky Peat or Peat (S3	3)	X Redox De	pression	s (F8)		u	nless disturbed	l or problema	tic.
Restrictive La	ayer (if observed):									
Type:	N/A									
Depth (inc	hes):						Hydric Soil Pres	sent?	Yes X	No
Remarks:	icators present						Hydric Soil Pres	sent?	Yes	No
Remarks:							Hydric Soil Pres	sent?	Yes <u>X</u>	No
Remarks: Hydric soil ind	icators present						Hydric Soil Pres	sent?	Yes X	No
Remarks: Hydric soil ind HYDROLOC	icators present						Hydric Soil Pres	sent?	Yes <u>×</u>	No
Remarks: Hydric soil ind HYDROLOO Wetland Hydr	icators present	ne is requ	ired; check all that a	apply)						No
Remarks: Hydric soil ind HYDROLOO Wetland Hydr	icators present BY rology Indicators: ators (minimum of c	ne is requ	ired; check all that a Water-Sta		Ives (B9)		<u>Seco</u> r		s (minimum c	
Remarks: Hydric soil ind HYDROLOC Wetland Hydr Primary Indica X Surface W	icators present BY rology Indicators: ators (minimum of c	ne is requ		ined Lea	• • •		S <u>Seco</u> r	ndary Indicator	s (minimum c	
Remarks: Hydric soil ind HYDROLOC Wetland Hydr Primary Indica X Surface W	icators present GY rology Indicators: ators (minimum of c /ater (A1) er Table (A2)	ne is requ	Water-Sta	ined Lea auna (B1	3)		Secor S	ndary Indicator urface Soil Cra	<u>s (minimum c</u> acks (B6) ns (B10)	of two required;
Remarks: Hydric soil ind HYDROLOC Wetland Hydr Primary Indica X Surface W X High Wate	icators present GY rology Indicators: ators (minimum of c /ater (A1) er Table (A2) (A3)	ne is requ	Water-Sta Aquatic Fa	ined Lea auna (B1 atic Plant	3) s (B14)		<u>Secor</u> S D D	ndary Indicator urface Soil Cra irainage Patter	s (minimum c acks (B6) ns (B10) ter Table (C2	of two required;
Remarks: Hydric soil ind HYDROLOO Wetland Hydr Primary Indica X Surface W X High Wate X Saturation Water Ma	icators present GY rology Indicators: ators (minimum of c /ater (A1) er Table (A2) (A3)	ne is requ	Water-Sta Aquatic Fa True Aqua	ined Lea auna (B1 itic Plant Sulfide (3) s (B14) Odor (C1)	<u>Seco</u> r S D D C	ndary Indicator urface Soil Cra irainage Patter iry-Season Wa	<u>s (minimum c</u> acks (B6) ns (B10) ter Table (C2 s (C8)	of two required;
Remarks: Hydric soil ind HYDROLOC Wetland Hydr Primary Indica X Surface W X High Wate X Saturation Water Ma	icators present GY rology Indicators: ators (minimum of c /ater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2)	ne is requ	Water-Sta Aquatic Fa True Aqua Hydrogen	ined Lea auna (B1 atic Plant Sulfide (Rhizosph	3) s (B14) Odor (C1 ieres on l) Living Ro	S S D D C C C S	ndary Indicator urface Soil Cra rainage Patter ry-Season Wa rayfish Burrow	<u>s (minimum c</u> acks (B6) ns (B10) ter Table (C2 's (C8) le on Aerial Ir	of two required)
Remarks: Hydric soil ind HYDROLOC Wetland Hydr Primary Indica X Surface W X High Wate X Saturation Water Mai Sediment Drift Depo	icators present GY rology Indicators: ators (minimum of c /ater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2)	ne is requ	Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F	ined Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc	3) s (B14) Odor (C1 leres on l ced Iron () Living Ro (C4)	<u>Seco</u> r S D D C C C S S	ndary Indicator urface Soil Cra Irainage Patter ry-Season Wa irayfish Burrow aturation Visib	<u>s (minimum c</u> acks (B6) ns (B10) ter Table (C2 's (C8) le on Aerial Ir ssed Plants (I	of two required)
Remarks: Hydric soil ind HYDROLOC Wetland Hydr Primary Indica X Surface W X High Wate X Saturation Water Mai Sediment Drift Depo	icators present GY rology Indicators: ators (minimum of c /ater (A1) er Table (A2) a (A3) rks (B1) Deposits (B2) usits (B3) or Crust (B4)	ne is requ	Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F	ined Lea auna (B1 sulfide (Rhizosph of Reduc	3) s (B14) Odor (C1 leres on l ced Iron (ction in Ti) Living Ro (C4)	<u>Secor</u> S D D D C C S S S S S S	ndary Indicator urface Soil Cra rrainage Patter ry-Season Wa rrayfish Burrow aturation Visib tunted or Stres	s (minimum c acks (B6) ns (B10) ter Table (C2 s (C8) le on Aerial Ir ssed Plants (I sition (D2)	of two required)
Remarks: Hydric soil ind HYDROLOC Wetland Hydr Primary Indica X Surface W X High Wate X Saturation Water Mar Sediment Drift Depo Algal Mat Iron Depo	icators present GY rology Indicators: ators (minimum of c /ater (A1) er Table (A2) a (A3) rks (B1) Deposits (B2) usits (B3) or Crust (B4)		Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck	ined Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc on Reduc	3) s (B14) Odor (C1 neres on l ced Iron (ction in Ti e (C7)) Living Ro (C4)	<u>Secor</u> S D D D C C S S S S S S	ndary Indicator urface Soil Cra rainage Patter rry-Season Wa trayfish Burrow aturation Visib tunted or Stres ieomorphic Po	s (minimum c acks (B6) ns (B10) ter Table (C2 s (C8) le on Aerial Ir ssed Plants (I sition (D2)	of two required)
Remarks: Hydric soil ind HYDROLOO Wetland Hydr Primary Indica X Surface W X High Wate X Saturation Water Mar Sediment Drift Depo Algal Mat Iron Depo Inundatior	icators present GY rology Indicators: ators (minimum of c /ater (A1) er Table (A2) a (A3) rks (B1) Deposits (B2) isits (B3) or Crust (B4) sits (B5)	magery (B	Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or	ined Lea auna (B1 Sulfide (Rhizosph of Reduc on Reduc Surface Well Dat	3) s (B14) Odor (C1 leres on l ced Iron (ction in Ti e (C7) a (D9)) Living Ro (C4) Iled Soils	<u>Secor</u> S D D D C C S S S S S S	ndary Indicator urface Soil Cra rainage Patter rry-Season Wa trayfish Burrow aturation Visib tunted or Stres ieomorphic Po	s (minimum c acks (B6) ns (B10) ter Table (C2 s (C8) le on Aerial Ir ssed Plants (I sition (D2)	of two required)
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Remarks: Hydric soil ind HYDROLOO Wetland Hydr Primary Indica X Surface W X High Wate X Saturation Water Mai Sediment Drift Depo Algal Mat Iron Depo Inundation Sparsely W Field Observa Surface Water Water Table F	icators present GY rology Indicators: ators (minimum of c /ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) n Visible on Aerial I /egetated Concave ations: r Present? Ye esent? Ye	magery (B s Surface (s X s X	Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or B8) Other (Exp No No	ined Lea auna (B1 ttic Plant Sulfide (Rhizosph of Reduc r Reduc s Surface Well Dat Dat Depth (i Depth (i	3) s (B14) Odor (C1 leres on l ced Iron (ction in Ti e (C7) a (D9) Remarks) nches):) Living Rc (C4) Iled Soils 3 2	Second	ndary Indicator urface Soil Cra irainage Patter iry-Season Wa irayfish Burrow aturation Visib tunted or Stres ieomorphic Po AC-Neutral Te	s (minimum c acks (B6) ns (B10) ter Table (C2 s (C8) le on Aerial Ir ssed Plants (I sition (D2) st (D5)	of two required)) nagery (C9) D1)
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U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Midwest Region See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New Westville Project		City/Cou	inty: Preble		Sa	mpling Date:	06/1	4/23
Applicant/Owner: AES Ohio				State: OH	Sar	npling Point	Dp-UP	L-WAG-005
Investigator(s): A. Glenn		Section, ⁻	Township, Ran	ge: S4 T8N R1E				
Landform (hillside, terrace, etc.): terrace			Local relief (co	oncave, convex, no	ne): none			
Slope (%): 1 Lat: 39.825888°		Long: -	-84.760603°		Datur	n: NAD83		
Soil Map Unit Name: MfB2: Miamian-Celina silt loams, 2	to 6 percent s			NWI cl				
Are climatic / hydrologic conditions on the site typical for			Yes X	No (If no				
, , , , , , , , , , , , , , , , , , , ,	,			rcumstances" pres				
Are Vegetation N , Soil N , or Hydrology N sig							NO	-
Are Vegetation N , Soil N , or Hydrology N na				lain any answers i		-		
SUMMARY OF FINDINGS – Attach site map	showing s	samplin	ng point loc	ations, transe	cts, imp	portant fe	atures	s, etc.
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	Х		e Sampled Are n a Wetland?		N	lo_X_		
Remarks: Upland data point for Wetland WAG-005		_						
VEGETATION – Use scientific names of plan								
		ominant pecies?	Indicator Status	Dominance Test	workshe	et:		
1. 2.				Number of Domir Are OBL, FACW,	•	es That	0	_(A)
3	<u> </u>			Total Number of Species Across A			2	_(B)
5	=To	tal Cover		Percent of Domin Are OBL, FACW,	•		0.0%	_(A/B)
Sapling/Shrub Stratum (Plot size: 15)			Ļ					
1				Prevalence Inde				
2				Total % Cov		Multip		_
3				OBL species	0	_ x1= x2=	0	-
4				FAC v species	0	x 2 = x 3 =	0	-
·	=To	tal Cover		FACU species	90	x 4 =	360	_
- Herb Stratum (Plot size: 5)	10			UPL species	0	- x	0	-
1. Festuca rubra	50	Yes	FACU	Column Totals:	90	(A)	360	– (B)
2. Sorghum halepense	20	Yes	FACU	Prevalence Inc				_ ` ′
3. Bromus inermis	10	No	FACU					_
4. Plantago lanceolata	10	No	FACU	Hydrophytic Veg	getation I	ndicators:		
5.				1 - Rapid Tes	st for Hvdr	ophytic Vea	etation	

90 =Total Cover

=Total Cover

Remarks: (Include photo numbers here or on a separate sheet.)

Woody Vine Stratum (Plot size: 5

1. _____

)

6.

7.

8.

9. 10.

2.

2 - Dominance Test is >50%

3 - Prevalence Index is $≤3.0^1$

4 - Morphological Adaptations¹ (Provide supporting

No X

data in Remarks or on a separate sheet)

Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must

be present, unless disturbed or problematic.

Yes

Hydrophytic

Vegetation

Present?

Г

Depth	Matrix				3						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks		
0-16	10YR 4/4	100					Loamy/Cla	уеу			
		· ·								1	
		·									
		· ·									
		· ·									
¹ Type: C=Co	ncentration, D=De	letion, RM	Reduced Matrix,	, MS=Maske	ed Sano	Grains	² L	ocation: PL=Po	ore Lining, M=Ma	trix.	
Hydric Soil I	ndicators:						In	dicators for Pro	oblematic Hydr	ic Soils ³	
Histosol (A1)		Sandy G	leyed Matrix	x (S4)		_	Coast Prairie	Redox (A16)		
Histic Epi	pedon (A2)		Sandy Re	edox (S5)				Iron-Mangane	ese Masses (F12	2)	
Black His	tic (A3)		Stripped	Matrix (S6)				_ Red Parent M	laterial (F21)		
Hydroger	sulfide (A4)		Dark Sur	face (S7)				Very Shallow	Dark Surface (F	22)	
Stratified	Layers (A5)		Loamy M	lucky Miner	al (F1)			Other (Explain	n in Remarks)		
2 cm Muc	k (A10)		Loamy G	leyed Matriz	x (F2)						
Depleted	Below Dark Surfac	e (A11)	Depleted	l Matrix (F3))						
 Thick Dar	k Surface (A12)		Redox D	ark Surface	(F6)		³ lı	ndicators of hydi	rophytic vegetati	on and	
Sandy Mu	ucky Mineral (S1)		Depleted	l Dark Surfa	ice (F7)			wetland hydro	ology must be pr	esent,	
5 cm Muc	ky Peat or Peat (S	3)	Redox D	epressions	(F8)			unless disturb	ed or problemat	ic.	
Restrictive L	ayer (if observed)	:									
	N/A										
Туре:	N/A						Hydric Soil I	Present?	Yes	No	х
	ches):						Hydric Soil I	Present?	Yes	<u>No</u>	x
Type: Depth (in Remarks:	ches):		 				Hydric Soil I	Present?	Yes	<u>No</u>	x
Type: _ Depth (in Remarks: Hydric soil is	ches):						Hydric Soil I	Present?	Yes	No	<u>x</u>
Type: Depth (in/ Remarks: Hydric soil is	ches):						Hydric Soil I	Present?	Yes	No	<u>x</u>
Type: Depth (in/ Remarks: Hydric soil is HYDROLO Wetland Hyd	ches):		ired; check all that	t apply)					Yes		
Type: Depth (in/ Remarks: Hydric soil is Hydric soil is Hydric soil wether Hydron by Wether Hydron by Primary Indic	ches): absent GY rology Indicators			t apply) ained Leave	es (B9)				tors (minimum of		
Type: Depth (in/ Remarks: Hydric soil is Hydric soil is HyDROLO(Wetland Hyd Primary Indic Surface V	ches): absent GY rology Indicators ators (minimum of c		Water-St		```			econdary Indicat	tors (minimum of Cracks (B6)		
Type: Depth (in/ Remarks: Hydric soil is Hydric soil is HyDROLO(Wetland Hyd Primary Indic Surface V	ches): absent GY rology Indicators ators (minimum of o Vater (A1) er Table (A2)		Water-St Aquatic F	ained Leave)			econdary Indicat Surface Soil (Drainage Patt	tors (minimum of Cracks (B6)	two requ	
Type: Depth (in/ Remarks: Hydric soil is Hydric soil is Hydric soil is Hydric soil is Urface V Ligh Wat	absent absent GY rology Indicators ators (minimum of of Vater (A1) er Table (A2) n (A3)		Water-St Aquatic F True Aqu	ained Leave ⁻ auna (B13)) (B14)			econdary Indicat Surface Soil (Drainage Patt	tors (minimum of Cracks (B6) terns (B10) Vater Table (C2)	two requ	
Type: Depth (in/ Remarks: Hydric soil is Hydric soil is Hydric soil is Metland Hyd Primary Indic Surface V High Wat Saturation Water Ma	absent absent GY rology Indicators ators (minimum of of Vater (A1) er Table (A2) n (A3)		Water-St Aquatic F True Aqu Hydroger	ained Leave ⁻ auna (B13) uatic Plants) (B14) dor (C1)		Si	econdary Indicat Surface Soil (Drainage Patt Dry-Season V Crayfish Burro	tors (minimum of Cracks (B6) terns (B10) Vater Table (C2)	two requ	uired
Type: Depth (in/ Remarks: Hydric soil is Hydric soil is Hydric soil is Uter and Hydr Primary Indic: Surface V High Wat Saturation Water Ma	ches): absent GY rology Indicators ators (minimum of of Vater (A1) er Table (A2) n (A3) rrks (B1) Deposits (B2)		Water-St Aquatic F True Aqu Hydroger Oxidized	ained Leave Fauna (B13) uatic Plants n Sulfide Oc) (B14) dor (C1) res on L	iving Ro	Si	econdary Indicat Surface Soil (Drainage Patt Dry-Season V Crayfish Burro Saturation Vis	tors (minimum of Cracks (B6) terns (B10) Vater Table (C2) ows (C8)	two requ	uired
Type: Depth (in/ Remarks: Hydric soil is Hydric soil is HYDROLOO Wetland Hyd Primary Indic Surface V High Wat Saturation Water Ma Sediment Drift Depo	ches): absent GY rology Indicators ators (minimum of of Vater (A1) er Table (A2) n (A3) rrks (B1) Deposits (B2)		Water-St Aquatic F True Aqu Hydroger Oxidized Presence	ained Leave Fauna (B13) uatic Plants n Sulfide Oc Rhizospher) (B14) dor (C1) res on L ed Iron (iving Ro C4)	<u>S</u> pots (C3)	econdary Indicat Surface Soil (Drainage Patt Dry-Season V Crayfish Burro Saturation Vis	tors (minimum of Cracks (B6) terns (B10) Vater Table (C2) ows (C8) sible on Aerial In ressed Plants (D	two requ	uired
Type: Depth (in/ Remarks: Hydric soil is Hydric soil is HYDROLOO Wetland Hyd Primary Indic Surface V High Wat Saturation Water Ma Sediment Drift Depo	ches): absent GY rology Indicators ators (minimum of of Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4)		Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir	rained Leave Fauna (B13) Juatic Plants n Sulfide Oc Rhizospher e of Reduce) (B14) dor (C1) res on L ed Iron (on in Til	iving Ro C4)	<u>S</u> pots (C3)	econdary Indicat Surface Soil (Drainage Patt Dry-Season V Crayfish Burro Saturation Vis Stunted or Stu	tors (minimum of Cracks (B6) terns (B10) Vater Table (C2) ows (C8) sible on Aerial Im ressed Plants (D Position (D2)	two requ	uired
Type: Depth (in/ Remarks: Hydric soil is Hydric soil is Hydric soil is Hydric soil is Sufface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo	ches): absent GY rology Indicators ators (minimum of of Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4)	one is requ	Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc	ained Leave Fauna (B13) Jatic Plants n Sulfide Oc Rhizospher e of Reduce ron Reductio) (B14) dor (C1) res on L ed Iron (on in Til C7)	iving Ro C4)	<u>S</u> pots (C3)	econdary Indicat Surface Soil (Drainage Patt Dry-Season V Crayfish Burro Saturation Vis Stunted or Str Geomorphic F	tors (minimum of Cracks (B6) terns (B10) Vater Table (C2) ows (C8) sible on Aerial Im ressed Plants (D Position (D2)	two requ	uired
Type: Depth (in/ Remarks: Hydric soil is Hydric soil is Hydric soil is Vetland Hyd Primary Indic Surface V High Wat Surface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundatio	Ches): absent absent Fology Indicators ators (minimum of of Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) posits (B3) or Crust (B4) posits (B5)	one is requ magery (B	 Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc 7) Gauge or 	ained Leave Fauna (B13) uatic Plants n Sulfide Oc Rhizospher e of Reduce ron Reductio ck Surface () (B14) dor (C1) res on L ed Iron (on in Til C7) (D9)	iving Ro C4)	<u>S</u> pots (C3)	econdary Indicat Surface Soil (Drainage Patt Dry-Season V Crayfish Burro Saturation Vis Stunted or Str Geomorphic F	tors (minimum of Cracks (B6) terns (B10) Vater Table (C2) ows (C8) sible on Aerial Im ressed Plants (D Position (D2)	two requ	uired
Type: Depth (in/ Remarks: Hydric soil is Hydric soil is Hydric soil is Wetland Hyd Primary Indic Surface V High Wat Surface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundatio	ches): absent absent GY rology Indicators ators (minimum of of Vater (A1) er Table (A2) n (A3) rrks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) n Visible on Aerial Vegetated Concave	one is requ magery (B	 Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc 7) Gauge or 	ained Leave Fauna (B13) Jatic Plants n Sulfide Oc Rhizospher e of Reduce fon Reduction ck Surface (r Well Data) (B14) dor (C1) res on L ed Iron (on in Til C7) (D9)	iving Ro C4)	<u>S</u> pots (C3)	econdary Indicat Surface Soil (Drainage Patt Dry-Season V Crayfish Burro Saturation Vis Stunted or Str Geomorphic F	tors (minimum of Cracks (B6) terns (B10) Vater Table (C2) ows (C8) sible on Aerial Im ressed Plants (D Position (D2)	two requ	uired
Type: Depth (in/ Remarks: Hydric soil is Hydric soil is HYDROLOO Wetland Hyd Primary Indic Surface V High Wat Saturation Water Ma Saturation Unift Depo Algal Mat Iron Depo Inundatio Sparsely	ches): absent absent rology Indicators ators (minimum of of Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) or Crust (B4) osits (B5) n Visible on Aerial Vegetated Concavor rations:	one is requ magery (B e Surface (Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc 7) Gauge of B8) Other (E)	ained Leave Fauna (B13) uatic Plants n Sulfide Oc Rhizospher of Reduce of Reduce of Reduction ck Surface (r Well Data xplain in Re) (B14) dor (C1) res on L ed Iron (on in Til C7) (D9) marks)	iving Ro C4)	<u>S</u> pots (C3)	econdary Indicat Surface Soil (Drainage Patt Dry-Season V Crayfish Burro Saturation Vis Stunted or Str Geomorphic F	tors (minimum of Cracks (B6) terns (B10) Vater Table (C2) ows (C8) sible on Aerial Im ressed Plants (D Position (D2)	two requ	uired
Type: Depth (in/ Remarks: Hydric soil is Hydric soil is Hydric soil is Hydric soil is Sufface V Wetland Hyd Primary Indic Surface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundatio Sparsely Field Observ Surface Water	ches): absent absent rology Indicators ators (minimum of of Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) n Visible on Aerial Vegetated Concave rations: r Present? Ye	magery (B e Surface (Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc 7) Gauge or B8) Other (Es	ained Leave Fauna (B13) uatic Plants n Sulfide Oc Rhizospher e of Reduce ron Reduction ck Surface (i r Well Data xplain in Re Depth (inc) (B14) dor (C1) res on L ed Iron (on in Til C7) (D9) marks) ches): _	iving Ro C4)	<u>S</u> pots (C3)	econdary Indicat Surface Soil (Drainage Patt Dry-Season V Crayfish Burro Saturation Vis Stunted or Str Geomorphic F	tors (minimum of Cracks (B6) terns (B10) Vater Table (C2) ows (C8) sible on Aerial Im ressed Plants (D Position (D2)	two requ	uired
Type: Depth (in/ Remarks: Hydric soil is Hydric soil is Hydric soil is Vetland Hyd Primary Indic Surface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundatio Sparsely Field Observ Surface Wate Water Table I	Ches): absent absent Frology Indicators ators (minimum of of Vater (A1) er Table (A2) n (A3) urks (B1) Deposits (B2) osits (B3) or Crust (B4) osits (B5) n Visible on Aerial Vegetated Concave vegetated Concave r Present? Ye	magery (B e Surface (Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc 7) Gauge of B8) Other (Ex No X No X	ained Leave Fauna (B13) Jatic Plants n Sulfide Oc Rhizospher e of Reduce fon Reduction ck Surface (in r Well Data xplain in Re Depth (inc Depth (inc) (B14) dor (C1) res on L ed Iron (on in Til C7) (D9) marks) ches): ches):	iving Ro C4)	<u>S</u>	econdary Indicat Surface Soil (Drainage Patt Dry-Season V Crayfish Burro Saturation Vis Stunted or Str Geomorphic F FAC-Neutral	tors (minimum of Cracks (B6) terns (B10) Vater Table (C2) ows (C8) sible on Aerial Im ressed Plants (D Position (D2) Test (D5)	two required	uirec
Type: Depth (in/ Remarks: Hydric soil is Hydric soil is Hydric soil is Wetland Hyd Primary Indic: Surface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundatio Sparsely Field Observ Surface Water Water Table I Saturation Pri	ches): absent absent absent absent absent absent absent absent absent absent absent A1) er Table (A2) n (A3) arks (B1) Deposits (B2) or Crust (B4) osits (B3) or Crust (B4) osits (B5) n Visible on Aerial Vegetated Concave ations: r Present? Ye esent? Ye	magery (B e Surface (Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc 7) Gauge or B8) Other (Es	ained Leave Fauna (B13) uatic Plants n Sulfide Oc Rhizospher e of Reduce ron Reduction ck Surface (i r Well Data xplain in Re Depth (inc) (B14) dor (C1) res on L ed Iron (on in Til C7) (D9) marks) ches): ches):	iving Ro C4)	<u>S</u>	econdary Indicat Surface Soil (Drainage Patt Dry-Season V Crayfish Burro Saturation Vis Stunted or Str Geomorphic F	tors (minimum of Cracks (B6) terns (B10) Vater Table (C2) ows (C8) sible on Aerial Im ressed Plants (D Position (D2) Test (D5)	two requ	uirec
Type: Depth (in/ Remarks: Hydric soil is Hydric soil is HyDROLOO Wetland Hyd Primary Indic: Surface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundatio Sparsely Field Observ Surface Wate Water Table I Saturation Prr (includes cap	ches): absent absent absent absent absent absent absent absent absent absent absent absent ators (minimum of a vater (A1) er Table (A2) n (A3) arks (B1) Deposits (B2) or Crust (B4) osits (B3) or Crust (B4) osits (B5) n Visible on Aerial vegetated Concave ations: ar Present? Ye esent? Ye esent? Ye	magery (B e Surface (es es	Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc 7) Gauge of B8) Other (Ex No X No X No X	ained Leave Fauna (B13) uatic Plants n Sulfide Oc Rhizospher e of Reduce ron Reductio k Surface (i r Well Data xplain in Re Depth (inc Depth (inc) (B14) dor (C1) res on L ed Iron (on in Til C7) (D9) marks) (D9) ches): ches):	Living Ro C4) led Soils	Si 	econdary Indicat Surface Soil (Drainage Patt Dry-Season V Crayfish Burro Saturation Vis Stunted or Str Geomorphic F FAC-Neutral	tors (minimum of Cracks (B6) terns (B10) Vater Table (C2) ows (C8) sible on Aerial Im ressed Plants (D Position (D2) Test (D5)	two required	uirec
Type: Depth (in/ Remarks: Hydric soil is Hydric soil is AlyDROLOO Wetland Hyd Primary Indica Surface V High Wat Saturation Water Ma Sediment Orift Depo Algal Mat Iron Depo Inundatio Sparsely Field Observ Surface Wate Water Table I Saturation Prr (includes cap	ches): absent absent absent absent absent absent absent absent absent absent absent A1) er Table (A2) n (A3) arks (B1) Deposits (B2) or Crust (B4) osits (B3) or Crust (B4) osits (B5) n Visible on Aerial Vegetated Concave ations: r Present? Ye esent? Ye	magery (B e Surface (es es	Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc 7) Gauge of B8) Other (Ex No X No X No X	ained Leave Fauna (B13) uatic Plants n Sulfide Oc Rhizospher e of Reduce ron Reductio k Surface (i r Well Data xplain in Re Depth (inc Depth (inc) (B14) dor (C1) res on L ed Iron (on in Til C7) (D9) marks) (D9) ches): ches):	Living Ro C4) led Soils	Si 	econdary Indicat Surface Soil (Drainage Patt Dry-Season V Crayfish Burro Saturation Vis Stunted or Str Geomorphic F FAC-Neutral	tors (minimum of Cracks (B6) terns (B10) Vater Table (C2) ows (C8) sible on Aerial Im ressed Plants (D Position (D2) Test (D5)	two required	uirec
Type: Depth (in/ Remarks: Hydric soil is Hydric soil is HyDROLOO Wetland Hyd Primary Indic: Surface V High Wat Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundatio Sparsely Field Observ Surface Wate Water Table I Saturation Prr (includes cap	ches): absent absent absent absent absent absent absent absent absent absent absent absent ators (minimum of a vater (A1) er Table (A2) n (A3) arks (B1) Deposits (B2) or Crust (B4) osits (B3) or Crust (B4) osits (B5) n Visible on Aerial vegetated Concave ations: ar Present? Ye esent? Ye esent? Ye	magery (B e Surface (es es	Water-St Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc 7) Gauge of B8) Other (Ex No X No X No X	ained Leave Fauna (B13) uatic Plants n Sulfide Oc Rhizospher e of Reduce ron Reductio k Surface (i r Well Data xplain in Re Depth (inc Depth (inc) (B14) dor (C1) res on L ed Iron (on in Til C7) (D9) marks) (D9) ches): ches):	Living Ro C4) led Soils	Si 	econdary Indicat Surface Soil (Drainage Patt Dry-Season V Crayfish Burro Saturation Vis Stunted or Str Geomorphic F FAC-Neutral	tors (minimum of Cracks (B6) terns (B10) Vater Table (C2) ows (C8) sible on Aerial Im ressed Plants (D Position (D2) Test (D5)	two required	uirec

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Midwest Region See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New Westville Project		City/Cou	inty: Preble		San	npling Dat	e: <u>6/15</u>	5/23
Applicant/Owner: AES Ohio				State: OH	San	npling Poir	nt: WA	AG-006
Investigator(s): A. Glenn		Section,	Township, Rand	je: S4 T8N R1E				
Landform (hillside, terrace, etc.): depression				ncave, convex, nc		ive		
Slope (%): 5 Lat: 39.825934°			-84.760612°	,,,		n: NAD83		
· · · · ·	2 to 6 noroon		-04.700012	N\\\// ol				
Soil Map Unit Name: MfB: Miamian-Celina silt loams,					assificatior		```	
Are climatic / hydrologic conditions on the site typical f		-	Yes X	No (If no				
Are Vegetation N, Soil N, or Hydrology N			Are "Normal Cir	cumstances" pres	ent? Ye	s <u>X</u>	No	_
Are Vegetation N , Soil N , or Hydrology N	naturally pro	blematic?	(If needed, expl	ain any answers i	n Remarks	5.)		
SUMMARY OF FINDINGS – Attach site m	ap showir	ng samplir	ng point loc	ations, transe	cts, imp	ortant f	eature	s, etc.
Hydric Soil Present? Yes X N	o o o		e Sampled Are in a Wetland?	a Yes _	<u>× n</u>	0		
Remarks: Data point for PEM wetland WAG-006								
VEGETATION – Use scientific names of pla								
Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test	t workshe	et:		
1. Salix nigra	5	Yes	OBL	Number of Domir	•	es That		
2. Fraxinus pennsylvanica	5	Yes	FACW	Are OBL, FACW,	or FAC:	_	4	_(A)
 Ulmus americana 4. 	5	Yes	FACW	Total Number of Species Across A			5	(B)
5				Percent of Domir	ant Specie	es That		
	15	=Total Cover		Are OBL, FACW,	or FAC:	_	80.0%	(A/B)
Sapling/Shrub Stratum (Plot size: 15)							
1				Prevalence Inde				
2				Total % Cov			iply by:	_
3				OBL species	45	x 1 =	45	_
4				FACW species	35	x 2 =	70	-
5		-Total Cover		FAC species	0 20	x 3 =	0 80	-
Herb Stratum (Plot size: 5)		=Total Cover		UPL species	0	x 4 = x 5 =	0	-
1. Typha angustifolia	30	Yes	OBL	Column Totals:	100	(A)	195	(B)
2. Solidago altissima	20	Yes	FACU	Prevalence Inc			195	_(3)
3. Conium maculatum	15	No	FACW				1.00	-
4. Phalaris arundinacea	10	No	FACW	Hydrophytic Veg	netation In	dicators		
5. Acorus americanus	10	No	OBL	1 - Rapid Tes	-			
6				X 2 - Dominand	,		-301011	
7.				X 3 - Prevalence				
8.				4 - Morpholo			Provide ei	upporting
9.				data in Re	• •	•		
9 10.				Problematic				<i>'</i>
	85	=Total Cover				•	• •	ŕ
Woody Vine Stratum (Plot size: 5)			¹ Indicators of hyc be present, unles				y must

=Total Cover

2.

Remarks: (Include photo numbers here or on a separate sheet.)

Hydrophytic

Yes X

No

Vegetation

Present?

Depth	 Mat	-		x Featur			confirm the absence	
(inches)	Color (mois	t) %	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 4/1	90	10YR 4/4	10	С	М	Loamy/Clayey	Distinct redox concentrations
								· · · · · · · · · · · · · · · · · · ·
	<u> </u>							· · · · · · · · · · · · · · · · · · ·
		Depletion, RM	Reduced Matrix,	MS=Mas	ked San	d Grains		: PL=Pore Lining, M=Matrix.
Hydric Soil I								rs for Problematic Hydric Soils ³ :
Histosol			Sandy Gle					t Prairie Redox (A16)
	pedon (A2)		Sandy Re					Manganese Masses (F12)
Black His			Stripped N	``	5)			Parent Material (F21)
	n Sulfide (A4)		Dark Surfa	· · /				Shallow Dark Surface (F22)
	Layers (A5)		Loamy Mu	-			Othe	r (Explain in Remarks)
2 cm Mu	(<i>,</i>	15000 (A 4 4)	Loamy Gl	-				
<u> </u>	Below Dark Su	()	X Depleted Redox Da				31	
	rk Surface (A12 ucky Mineral (S	,	Redox Da		· · /	`		s of hydrophytic vegetation and nd hydrology must be present,
	cky Peat or Pea	-	X Redox De		•)		ss disturbed or problematic.
				pression	3 (1 0)			
	ayer (if obser).							
Type: _ Depth (in		N/A					Hydric Soil Present	t? Yes X No
Deptil (III	ciles).							
Remarks: Hydric soil in	dicators presen	t						
HYDROLO	GY							
Wetland Hyd	Irology Indicat	ors:						
-	•••		red; check all that	apply)			Seconda	ry Indicators (minimum of two required
X Surface \	Vater (A1)		Water-Sta	ined Lea	ves (B9))	Surfa	ace Soil Cracks (B6)
X High Wat	er Table (A2)		Aquatic Fa	auna (B1	3)		Drair	nage Patterns (B10)
X Saturatio	n (A3)		True Aqua	atic Plant	s (B14)		Dry-S	Season Water Table (C2)
Water Ma	arks (B1)		Hydrogen	Sulfide (Odor (C1)	Cray	fish Burrows (C8)
Sedimen	t Deposits (B2)		X Oxidized I	Rhizosph	eres on	Living R	oots (C3) Satu	ration Visible on Aerial Imagery (C9)
Drift Dep	osits (B3)		Presence	of Reduo	ced Iron	(C4)	Stun	ted or Stressed Plants (D1)
	or Crust (B4)		Recent Irc			illed Soil	· · · ·	norphic Position (D2)
Iron Dep			Thin Mucł				X FAC-	Neutral Test (D5)
		rial Imagery (B7	, <u> </u>					
Sparsely	Vegetated Con	cave Surface (E	38) Other (Ex	plain in F	(emarks)		
Field Observ	vations:							
Surface Wate	er Present?	Yes X	No	Depth (i	nches): _	1		
Water Table		Yes X	No	Depth (i		2		
Saturation Pr		Yes X	No	Depth (i	nches): _	10	Wetland Hydrolog	gy Present? Yes X No
(includes cap						<u> </u>		
Describe Red	orded Data (sti	ream gauge, mo	onitoring well, aeria	al photos	, previou	is inspec	ctions), if available:	
Remarks:								
	ology indicators	s are present						
unu nyu								

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Midwest Region See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New Westville Project		City/County:	Preble		Sampling Da	ate: 06/1	16/23
Applicant/Owner: AES Ohio				State: OH	Sampling Po	pint: DP-U	PL-WAG-006
Investigator(s): A. Glenn	5	Section, Towr	nship, Range:	S4 T8N R1E	_		
Landform (hillside, terrace, etc.): terrace		Loca	al relief (conca	ve, convex, none	: none		
Slope (%): 0 Lat: 39.825890°		Long: -84.7			Datum: NAD8	3	
Soil Map Unit Name: MfB2: Miamian-Celina silt loams,	2 to 6 percent sl	-		NWI class			
Are climatic / hydrologic conditions on the site typical for				(If no, ex		ks.)	
Are Vegetation N , Soil N , or Hydrology N s	-			nstances" present			
Are Vegetation N , Soil N , or Hydrology N r				any answers in R			_
SUMMARY OF FINDINGS – Attach site ma				-		footuro	e oto
	ap showing s	amping p			s, important	leature	5, etc.
Hydric Soil Present? Yes No Wetland Hydrology Present? Yes No	$\frac{x}{x}$	Is the Sa within a V	mpled Area Wetland?	Yes	NoX		
Remarks: Upland data point for PEM wetland WAG-006							
VEGETATION – Use scientific names of pla	nts.						
Tree Stratum (Plot size:30)			licator tatus Do	minance Test w	orksheet:		
1				mber of Dominan	•		
2			Are	e OBL, FACW, or	FAC:	0	_ ^(A)
3	<u> </u>			tal Number of Dor		2	(D)
4 5				ecies Across All S		2	_ ^(B)
···	=Tot	al Cover		rcent of Dominant OBL, FACW, or	•	0.0%	(A/B)
Sapling/Shrub Stratum (Plot size: 15)					•		_` ´
1			Pre	evalence Index w	vorksheet:		
2				Total % Cover of	of: Mu	Iltiply by:	_
3				· ·	0 x 1 =	0	_
4					0 x 2 =	0	_
5					0 x 3 =	0	_
	=Tot	al Cover			$\frac{95}{2}$ x 4 =	380	
Herb Stratum (Plot size: 5_)				·	0 x 5 =	0	
1. Festuca rubra					95 (A)	380	_ ^(B)
2. Trifolium pratense				Prevalence Index	= B/A =	4.00	_
3. Plantago lanceolata	10		ACU				
4. Taraxacum officinale	10			drophytic Veget			
5. <u>Stellaria media</u>	5	No F	ACU	1 - Rapid Test fo	, , ,	/egetation	
6				2 - Dominance	「est is >50%		
7				3 - Prevalence I			
8				4 - Morphologica	•	•	
9				data in Rema	rks or on a sepa	arate sheet	t)
10				Problematic Hyd	Irophytic Vegeta	ation ¹ (Exp	lain)
Woody Vine Stratum (Plot size: 5)	<u>95</u> =Tot	al Cover		dicators of hydric			y must

Remarks: (Include photo numbers here or on a separate sheet.)

Profile Desc	cription: (Describe	to the depth	n needed to do	cument f	he indic	ator or o	confirm the absence o	f indicators.)	
Depth	Matrix		Rec	lox Featu					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-16	10YR 3/4	100							
	- ·	·			·				
<u> </u>	-	·							
		·							
¹ Type: C=C	oncentration, D=Dep	oletion, RM=F	Reduced Matrix	, MS=Ma	sked San	d Grains	s. ² Location:	PL=Pore Lining, M=Mat	rix.
Hydric Soil	Indicators:						Indicators	for Problematic Hydrid	c Soils³:
Histosol	(A1)		Sandy G	leyed Ma	trix (S4)		Coast	Prairie Redox (A16)	
Histic Ep	oipedon (A2)		Sandy R	edox (S5)		Iron-M	langanese Masses (F12))
Black His	stic (A3)		Stripped	Matrix (S	6)		Red P	arent Material (F21)	
Hydroge	n Sulfide (A4)		Dark Su	rface (S7))		Very S	Shallow Dark Surface (F2	22)
Stratified	l Layers (A5)		Loamy N	/lucky Min	eral (F1)		Other	(Explain in Remarks)	
2 cm Mu	ck (A10)		Loamy C	Bleyed Ma	atrix (F2)				
Depleted	Below Dark Surfac	e (A11)	Depleted	d Matrix (F	-3)				
Thick Da	ark Surface (A12)		Redox D	ark Surfa	ce (F6)		³ Indicators	of hydrophytic vegetatio	on and
Sandy M	lucky Mineral (S1)		Depleted	d Dark Su	rface (F7)	wetlan	d hydrology must be pre	sent,
5 cm Mu	cky Peat or Peat (S	3)	Redox D	epression	ns (F8)		unless	disturbed or problemation	С.
Restrictive I	Layer (if observed)								
Type:	N/A								
Depth (ir	nches):		_				Hydric Soil Present?	Yes	No X
Remarks:									
	dicators are absent								
,									
HYDROLO	GY								
-	drology Indicators								
-	cators (minimum of o	one is require						Indicators (minimum of	two required)
	Water (A1)			tained Lea)		e Soil Cracks (B6)	
	ter Table (A2)			Fauna (B				age Patterns (B10)	
Saturatio				uatic Plan				eason Water Table (C2)	
	arks (B1)		, 0	n Sulfide	``	,	,	sh Burrows (C8)	
	nt Deposits (B2)					-		ation Visible on Aerial Ima	
	oosits (B3)			e of Redu		. ,		ed or Stressed Plants (D1	1)
	it or Crust (B4)			ron Redu		illed Soil		orphic Position (D2)	
	osits (B5)			ck Surfac	. ,		FAC-N	leutral Test (D5)	
	on Visible on Aerial I	0,,,,		r Well Da					
	Vegetated Concave	e Surface (B8	3) Other (E	xplain in I	≺emarks)				
Field Obser	vations:								
Surface Wat		es	No X		inches): _				
Water Table	Present? Ye	es	No X		inches):				
Saturation P		es	No X	Depth (inches): _		Wetland Hydrolog	y Present? Yes	No X
(includes cap									
Describe Re	corded Data (stream	n gauge, mor	itoring well, ae	rial photos	s, previou	is inspec	ctions), if available:		

Remarks:

Wetland hydrology indicators are absent

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET - Midwest Region See ERDC/EL TR-10-16; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New Westville Project		City/Cou	inty: Preble			Sampling D	ate: <u>6/1</u>	5/23
Applicant/Owner: AES Ohio				State:	ОН	Sampling Po	oint: W	AG-007
Investigator(s): A. Glenn		Section, ⁻	Township, Ra	ange: <u>S4 T8N</u>	R1E			
Landform (hillside, terrace, etc.): depression		_	Local relief (concave, conv	ex, none):	concave		
Slope (%): 5 Lat: 39.825747		Long:	-84.779565		-	Datum: NAD8	3	
Soil Map Unit Name: KnA: Kokomo silt loam, 0 to 1 per	cent slopes			Ν		ication: N/A		
Are climatic / hydrologic conditions on the site typical for		year?	Yes X			lain in Remar	ks.)	
Are Vegetation N , Soil N , or Hydrology N si			Are "Normal (
Are Vegetation N , Soil N , or Hydrology N n								
							footuro	e oto
SUMMARY OF FINDINGS – Attach site ma	h suomui	y sampin 				, important		s, etc.
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No Remediation Yes X No			e Sampled A n a Wetland		′es_X_	No		
Remarks: Data point for PEM wetland WAG-007								
VEGETATION – Use scientific names of plar	nts.							
	Absolute	Dominant	Indicator		_			
Tree Stratum (Plot size: 30)	% Cover	Species?	<u>Status</u>	Dominance				
1. <u>Salix nigra</u> 2.	20	Yes	OBL	Number of Are OBL, F		Species That	3	(A)
3.				Total Numb				_(^)
4.				Species Ac			3	(B)
5				Percent of I	Dominant S	Species That		
	20 =	Total Cover		Are OBL, F	ACW, or F	AC:	100.0%	(A/B)
Sapling/Shrub Stratum (Plot size: 15)								
1. Salix nigra	15	Yes	OBL	Prevalence			ution by by	
2				OBL specie	6 Cover of: s 10		ultiply by: 105	-
4				FACW speed			30	-
5.				FAC specie			0	_
	15 =	Total Cover		FACU spec	ies 15	5 x 4 =	60	
Herb Stratum (Plot size: 5_)				UPL specie	s 0	x 5 =	0	
1. Typha angustifolia	70	Yes	OBL	Column Tot	tals: <u>13</u>	5 (A)	195	(B)
2. Solidago canadensis	15	No	FACU	Prevalen	ce Index =	= B/A =	1.44	_
3. Phalaris arundinacea	15	No	FACW					
4					-	tion Indicator		
5						Hydrophytic V	/egetation	
6				X 2 - Don X 3 - Prev				
7 8.						Adaptations ¹	(Provide s	upporting
0						s or on a separations	•	
9 10						ophytic Veget		
Woody Vine Stratum (Plot size: 5)	100 =	Total Cover		¹ Indicators	of hydric s	oil and wetlan	d hydrolog	, i
1.				Ludronbut				

=Total Cover

Remarks: (Include photo numbers here or on a separate sheet.)

1.

2.

Hydrophytic

Yes X

No

Vegetation

Present?

Depth	Matrix	-		<pre>< Featur</pre>			confirm the absence o	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 4/1	80	10YR 5/6	20	С	М	Loamy/Clayey	Prominent redox concentrations
10-16								Restrictive layer
17			De due e d Metrice N	10 14			21	DL David Lining M. Matrix
	ncentration, D=Dep	letion, RIVI=	Reduced Matrix, I	/IS=Mas	sked San	d Grains		PL=Pore Lining, M=Matrix.
Hydric Soil I Histosol (Sandy Gle	vod Mot	riv (S1)			s for Problematic Hydric Soils ³ : t Prairie Redox (A16)
	pedon (A2)		Sandy Gle	-				Anganese Masses (F12)
Black His			Stripped N					Parent Material (F21)
	Sulfide (A4)		Dark Surfa		0)			Shallow Dark Surface (F22)
	Layers (A5)		Loamy Mu	` '	eral (F1)			(Explain in Remarks)
2 cm Muc			Loamy Gle	-				
	Below Dark Surface	(A11)	X Depleted M	-				
<u> </u>	k Surface (A12)	(,)	Redox Dar	-			³ Indicator	s of hydrophytic vegetation and
	ucky Mineral (S1)		Depleted [. ,)		nd hydrology must be present,
	ky Peat or Peat (S3)	X Redox Dep		•	,		s disturbed or problematic.
Restrictive L	ayer (if observed):							
Type:	imperivous gra							
Depth (in	ches):	10					Hydric Soil Present	? Yes X No
Remarks:								
	licators present							
Tryune son me	licators present							
HYDROLO	 GY							
	rology Indicators:							
-	ators (minimum of o	ne is requir	ed: check all that a	apply)			Secondar	y Indicators (minimum of two requir
X Surface V			Water-Stai		aves (B9))		ce Soil Cracks (B6)
	er Table (A2)		Aquatic Fa		· · ·	,		age Patterns (B10)
X Saturation	. ,		True Aqua					eason Water Table (C2)
Water Ma			Hydrogen)		ish Burrows (C8)
	Deposits (B2)		X Oxidized F		-			ation Visible on Aerial Imagery (C9)
Drift Depo			Presence	•		-		ed or Stressed Plants (D1)
	or Crust (B4)		Recent Iro	n Reduc	tion in T	illed Soil		norphic Position (D2)
Iron Depo			Thin Muck					Neutral Test (D5)
Inundatio	n Visible on Aerial I	magery (B7) Gauge or \	Nell Dat	ta (D9)			
Sparsely	Vegetated Concave	Surface (B	8) Other (Exp	lain in F	Remarks))		
Field Observ	ations:							
Surface Wate	r Present? Ye	s X	No	Depth (i	nches):	1		
Water Table I	Present? Ye	s X	No	Depth (i	nches):	3		
Saturation Pr	esent? Ye	s X			nches):	12	Wetland Hydrolog	y Present? Yes X No
(includes cap	illary fringe)							
Describe Rec	orded Data (stream	gauge, mo	nitoring well, aeria	l photos	, previou	is inspec	ctions), if available:	
Remarks:								
Wetland hydr	ology indicators are	present						

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET - Midwest Region

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: 2a)

See ERDC/EL TR-10-16; the propone	nt agency	is Cl	ECW-0	CO-R	(Authority: Al	R 335-15, para	graph 5-2a	a)
Project/Site: New Westville Project		C	ity/Cou	nty: Preble		Sampling Da	ate: 06/1	16/23
Applicant/Owner: AES Ohio					State: OH	Sampling Po		PL-WAG-007
Investigator(s): A. Glenn		Se	ection T	ownship Ra	ange: S4 T8N R1E	1 5		2 1110 001
Landform (hillside, terrace, etc.): hillside		``		•	concave, convex, none):			
Slope (%): 10 Lat: <u>39.825768</u>			_				3	
Soil Map Unit Name: KnA: Kokomo silt loam, 0 to 1 per	rcent slopes				NWI classi	fication: N/A		
Are climatic / hydrologic conditions on the site typical for	or this time o	of year	?	Yes X	No (If no, ex	plain in Remarl	ks.)	
Are Vegetation N , Soil N , or Hydrology N s	significantly	disturb	oed? A	Are "Normal (Circumstances" present	Yes X	No	
Are Vegetation N , Soil N , or Hydrology N	naturally pro	blema	tic? (lf needed, ex	plain any answers in Re	emarks.)		
SUMMARY OF FINDINGS – Attach site ma	ap showir	ng sa	mplin	g point lo	cations, transects	, important	features	s, etc.
				0				
	$\frac{X}{X}$			Sampled A a Wetland		No V		
	$\frac{x}{x}$		within		: ies	No X		
Remarks:								
Vernarks: Upland data point for PEM wetland WAG-007								
L VEGETATION – Use scientific names of pla			1 1 1					
	Absolute	Don	ninant	Indicator				
Tree Stratum (Plot size: 30)	% Cover		cies?	Status	Dominance Test wo	rksheet:		
1					Number of Dominant	Species That		
2.					Are OBL, FACW, or I	•	0	(A)
3					Total Number of Dom	ninant		
4					Species Across All S	trata:	1	(B)
5					Percent of Dominant	Species That		
		=Tota	l Cover		Are OBL, FACW, or F	FAC:	0.0%	_(A/B)
Sapling/Shrub Stratum (Plot size: 15)							
1					Prevalence Index w			
2					Total % Cover o		Iltiply by:	
3						<u>x</u> 1=.	0	
4						x2=.	0	
5					· ·	$x^{3} = $	0	
		= i ota	l Cover		· · ·	$x_{0} x_{4} = 0$	320	
Herb Stratum (Plot size: 5)	50	V	/oo	FACU		· · ·	0 320	— (P)
2. Plantago lanceolata	10		<u>′es</u> No	FACU	Prevalence Index		4.00	_(B)
3. Taraxacum officinale	10		No	FACU	T Tevalence muex	- b/A	4.00	_
4. Dipsacus fullonum	10		No	FACU	Hydrophytic Vegeta	tion Indicator	e.	
5					1 - Rapid Test fo			
6.					2 - Dominance T		ogotation	
7.					3 - Prevalence In			
8.					4 - Morphologica		Provide su	upporting
9.						ks or on a sepa	•	•••••
10.					Problematic Hyd			,
	80	=Tota	l Cover		¹ Indicators of hydric s			,
Woody Vine Stratum (Plot size: 5	,				be present, unless di			,
1					Hydrophytic			
					ingarophytic			

=Total Cover

Remarks: (Include photo numbers here or on a separate sheet.)

2.

No X

Vegetation

Yes

Present?

		e to the dep			ator or o	confirm the absence of ind	cators.)		
Depth	Matrix			x Features		_			
(inches)	Color (moist)	%	Color (moist)	% Type ¹	Loc ²	Texture	Remarks		
0-12	10YR 3/3	100					Silty loan	<u>า</u>	
12-16	<u> </u>						Restrictive la	iyer	
		·							
	-								
				·					
1Turnet C=C	Concentration, D=De		- Doducod Motrix				Dere Lining M-M	atrix	
	Indicators:	epietion, Riv	Reduced Matrix,	MS=Masked Sar	id Grains		Pore Lining, M=Ma Problematic Hydi		
Histoso			Sandy Gl	eyed Matrix (S4)			ie Redox (A16)	10 30115	•
	pipedon (A2)		Sandy Cla Sandy Re	, ,			nese Masses (F1	2)	
	listic (A3)			Matrix (S6)			Material (F21)	-)	
	en Sulfide (A4)		Dark Surf	. ,			w Dark Surface (F	22)	
	d Layers (A5)			ucky Mineral (F1))		ain in Remarks)	/	
	uck (A10)			eyed Matrix (F2)			,		
	ed Below Dark Surfa	ce (A11)		Matrix (F3)					
	ark Surface (A12)	()		rk Surface (F6)		³ Indicators of hy	/drophytic vegetat	ion and	
Sandy I	Mucky Mineral (S1)		Depleted	Dark Surface (F7	7)		drology must be pr		
5 cm M	ucky Peat or Peat (S	S3)	Redox De	pressions (F8)		unless dist	urbed or problema	tic.	
Restrictive	Layer (if observed):							
Type:	Gravel,								
Depth (inches):	12				Hydric Soil Present?	Yes	No	Х
Remarks:									
	ndicators are absen	t							
,									
HYDROL	OGY								
Wetland Hy	ydrology Indicators	 5:							
-	icators (minimum of		ired; check all that	apply)		Secondary Indi	cators (minimum o	f two req	uired)
	Water (A1)			ined Leaves (B9)		il Cracks (B6)		

		decondary indicators (minimum or two require
Surface Water (A1)	Water-Stained Leaves (B9)	Surface Soil Cracks (B6)
High Water Table (A2)	Aquatic Fauna (B13)	Drainage Patterns (B10)
Saturation (A3)	True Aquatic Plants (B14)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3)	Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)	Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	FAC-Neutral Test (D5)
Inundation Visible on Aerial Imagery (B7)	Gauge or Well Data (D9)	
Sparsely Vegetated Concave Surface (B8)	Other (Explain in Remarks)	
Field Observations:		
Surface Water Present? Yes	No X Depth (inches):	
Water Table Present? Yes	No X Depth (inches):	
Saturation Present? Yes	No X Depth (inches): Wetla	nd Hydrology Present? Yes No _>
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monit	oring well, aerial photos, previous inspections), if a	vailable:
Remarks:		
Wetland hydrology indicators are absent		

Х

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET - Midwest Region See ERDC/EL_TR-10-16: the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

			<u> </u>	*		,
Project/Site: New Westville Project		City/Cou	nty: Preble		Sampling Date:	10/18/23
Applicant/Owner: <u>AES Ohio</u>				State:OH	Sampling Point:	WAG-008
Investigator(s): A. Glenn		Section.	Township, Ra	ange: S3 T8N R1E	-	
Landform (hillside, terrace, etc.): depression				concave, convex, none)	concave	
			-84.758643			
Slope (%): 0 Lat: <u>39.825165</u>			04.700043		Datum: NAD83	
Soil Map Unit Name: WnA: Westland silt loam, 0 to 2					fication: N/A	
Are climatic / hydrologic conditions on the site typical	I for this time	of year?	Yes X	No (If no, ex	plain in Remarks.)	
Are Vegetation <u>N</u> , Soil <u>N</u> , or Hydrology <u>N</u>	_ significantly	/ disturbed?	Are "Normal (Circumstances" present	? Yes <u>X</u> N	lo
Are Vegetation <u>N</u> , Soil <u>N</u> , or Hydrology <u>N</u>	_ naturally pr	oblematic? ((If needed, e>	plain any answers in Re	emarks.)	
SUMMARY OF FINDINGS – Attach site n	nap show	ing samplir	ng point lo	cations, transects	, important fea	atures, etc.
Hydric Soil Present? Yes X	No No No		e Sampled A n a Wetland		No	
VEGETATION – Use scientific names of p	lants. Absolute	Dominant	Indicator			
Tree Stratum (Plot size: 30)	% Cover		Status	Dominance Test wo	orksheet:	
1. Salix nigra	5	Yes	OBL	Number of Dominant	Species That	
2. Fraxinus pennsylvanica	5	Yes	FACW	Are OBL, FACW, or I	FAC:	<u>5</u> (A)
3				Total Number of Don		_
4				Species Across All S	trata:	5 (B)
5				Percent of Dominant	•	
Sanling/Shruh Stratum (Distaiza: 15	<u> </u>	_=Total Cover		Are OBL, FACW, or I	-AC: <u>1</u> (00.0% (A/B
Sapling/Shrub Stratum (Plot size: 15 1. Fraxinus pennsylvanica	_) 10	Yes	FACW	Prevalence Index w	orksheet:	
^				Total % Cover o		v bv
3.					5 x 1 =	15
4.				· · · ·		180
5.					0 x 3 =	30
	10	=Total Cover			0 x 4 =	0
Herb Stratum (Plot size: 5_)				UPL species	0 x 5 =	0
1. Impatiens capensis	40	Yes	FACW	Column Totals: 1	15 (A)	225 (B)
2. Phalaris arundinacea	35	Yes	FACW	Prevalence Index	= B/A =1.9	6
3. Typha angustifolia	10	No	OBL			
4. Symphyotrichum lanceolatum	5	No	FAC	Hydrophytic Vegeta		
5. Apocynum cannabinum	5	No	FAC		r Hydrophytic Vege	etation
6				X 2 - Dominance T		
7				X 3 - Prevalence Ir		
8					I Adaptations ¹ (Pro	
9					ks or on a separate	
10				Problematic Hyd	rophytic Vegetation	ı' (Explain)

95 =Total Cover

=Total Cover

)

4 - Morphological Adaptations ¹ (Provide supporting)	ng
data in Remarks or on a separate sheet)	

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

No

Hydrophytic Vegetation Present? Yes X

Remarks: (Include photo numbers here or on a separate sheet.)

Depth	Matrix	to the dep		k Featur			confirm the absence o	n mulcators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-16	10YR 4/1	80	10YR 4/4	20	С	М	Loamy/Clayey	Distinct redox conce	entrations
		·							
		·							
	oncentration, D=Dep	lation PM			kod Son		2L	DI-Doro Lining M-Mo	triv
Hydric Soil I	•			vi3-ivias				PL=Pore Lining, M=Ma s for Problematic Hydri	
Histosol			Sandy Gle	ved Mat	rix (S4)			t Prairie Redox (A16)	0013.
	ipedon (A2)		Sandy Red					/anganese Masses (F12)
Black His			Stripped N					Parent Material (F21)	/
	n Sulfide (A4)		Dark Surfa	ice (S7)			Very	Shallow Dark Surface (F2	22)
	Layers (A5)		Loamy Mu	cky Mine	eral (F1)			(Explain in Remarks)	
2 cm Mu	ck (A10)		Loamy Gle	eyed Mat	rix (F2)				
Depleted	Below Dark Surface	e (A11)	X Depleted M	/atrix (F	3)				
	rk Surface (A12)		Redox Da		、 /			s of hydrophytic vegetation	
	ucky Mineral (S1)		Depleted [•)		nd hydrology must be pre	
	cky Peat or Peat (S	-	X Redox De	oression	s (F8)		unles	s disturbed or problemati	C.
	_ayer (if observed)								
Type:	N/A							.	
Depth (in	iches):						Hydric Soil Present	? Yes X	No
Remarks:									
Hydric soil in	dicators present								
HYDROLO	GY								
	drology Indicators:								
-	ators (minimum of c		red: check all that a	(vlage			Secondar	y Indicators (minimum of	two required)
	Water (A1)		Water-Stai		ves (B9)			ce Soil Cracks (B6)	<u></u>
High Wat	ter Table (A2)		Aquatic Fa	iuna (B1	3)		Drain	age Patterns (B10)	
X Saturatio	n (A3)		True Aqua	tic Plant	s (B14)		Dry-S	eason Water Table (C2)	
Water Ma	arks (B1)		Hydrogen	Sulfide (Ddor (C1)	Crayf	ish Burrows (C8)	
Sedimen	t Deposits (B2)		X Oxidized F	Rhizosph	eres on	Living R		ation Visible on Aerial Im	••••
	osits (B3)		Presence			· ·		ed or Stressed Plants (D	1)
	t or Crust (B4)		Recent Iro			lled Soil		norphic Position (D2)	
	osits (B5)	(5)	Thin Muck				X FAC-	Neutral Test (D5)	
	on Visible on Aerial I	0,1	, <u> </u>						
	Vegetated Concave	e Suriace (i	B8) Other (Exp		emarks)				
Field Observ									
Surface Wate				Depth (ii Depth (ii	-				
Water Table Saturation Pr		es X		Depth (ii Depth (ii		6	Wetland Hydrolog	w Present? Ves X	No
(includes cap		<u>,,, ,, ,</u>		Debrii (II	- iones			y Present? Yes X	No
	corded Data (stream	n gauge, mo	onitoring well, aeria	l photos	, previou	s inspec	tions), if available:		
		-	-						
– .									
Remarks:	rology indicators are								

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New Westville Project	City/County: Preble		Sampling Date:	10/18/23
Applicant/Owner: AES Ohio		State: OH	- Sampling Point:	DP-UPL-WAG-008
Investigator(s): A. Glenn	Section, Township, R	ange: S3 T8N R1E	-	
Landform (hillside, terrace, etc.): terrace	Local relief	(concave, convex, none)	: convex	
Slope (%): 0 Lat: 39.825174	Long: -84.758385		Datum: NAD83	
Soil Map Unit Name: WnA: Westland silt loam, 0 to 2 percent slo		NWI class		
Are climatic / hydrologic conditions on the site typical for this time				
Are Vegetation N , Soil N , or Hydrology N significantl	·			`
Are Vegetation N , Soil N , or Hydrology N naturally p		xplain any answers in R		
			-	
SUMMARY OF FINDINGS – Attach site map show	ing sampling point in	ocations, transects	s, important fea	tures, etc.
Hydrophytic Vegetation Present? Yes No X Hydric Soil Present? Yes No X Wetland Hydrology Present? Yes No X	Is the Sampled A within a Wetland		No_X	
Remarks:				
Upland data point for PEM wetland WAG-008				
VEGETATION – Use scientific names of plants.				
Absolute <u>Tree Stratum</u> (Plot size: 30) % Cover		Dominance Test wo	orksheet:	
1.		Number of Dominant Are OBL, FACW, or	•	0(A)
3.		Total Number of Don Species Across All S		<u>1</u> (B)
5		Percent of Dominant	Species That	
	=Total Cover	Are OBL, FACW, or	FAC: 0	.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15)				
1		Prevalence Index w Total % Cover o		by:
2			$\frac{1}{2} \frac{1}{x + 1} = \frac{1}{x + 1}$	0
4		· · ·	$x_{2} =$	0
5.			0 x 3 =	0
	=Total Cover			340
Herb Stratum (Plot size: 5_)	_		0 x 5 =	0
1. Festuca rubra 70	Yes FACU	Column Totals: 8	35 (A) 3	340 (B)
2. Glechoma hederacea 10	No FACU	Prevalence Index	= B/A = 4.00)
3. Cirsium arvense 5	No FACU			
4		Hydrophytic Vegeta	ation Indicators:	
5.		1 - Rapid Test fo	r Hydrophytic Veget	ation

85 =Total Cover

	=Total Cover
Remarks: (Include photo numbers here or on a separate sheet.)	

......

 Woody Vine Stratum
 (Plot size: 5_____)

2.

1. _____

6.

7.

8.

9. 10.

No X

2 - Dominance Test is >50%

3 - Prevalence Index is $≤3.0^1$

4 - Morphological Adaptations¹ (Provide supporting

data in Remarks or on a separate sheet)

Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must

be present, unless disturbed or problematic.

Yes

Hydrophytic

Vegetation

Present?

	Matrix		Rede	ox Featur	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-16	10YR 4/4	100								
		·								
		·								
¹ Type: C=C	oncentration, D=Dep	oletion, RM=I	Reduced Matrix,	MS=Mas	sked San	d Grains	3. ² L	ocation: PL=Pore	Lining, M=Matri	x.
Hydric Soil	Indicators:						In	dicators for Prob	lematic Hydric	Soils ³ :
Histosol	(A1)		Sandy GI	leyed Ma	trix (S4)			Coast Prairie Re	edox (A16)	
Histic Ep	oipedon (A2)		Sandy Re	edox (S5))			Iron-Manganese	Masses (F12)	
Black Hi	stic (A3)		Stripped	Matrix (S	6)			Red Parent Mate	erial (F21)	
Hydroge	n Sulfide (A4)		Dark Sur	face (S7)				Very Shallow Da	ark Surface (F22)
Stratified	d Layers (A5)		Loamy M	lucky Min	eral (F1)		_	Other (Explain ir	n Remarks)	
2 cm Mu	ıck (A10)		Loamy G	leyed Ma	trix (F2)					
Depleted	d Below Dark Surfac	e (A11)	Depleted	Matrix (F	3)					
Thick Da	ark Surface (A12)		Redox Da	ark Surfa	ce (F6)		³ lr	ndicators of hydrop	hytic vegetation	and
Sandy M	lucky Mineral (S1)		Depleted	Dark Su	rface (F7)			wetland hydrolog	gy must be prese	ent,
5 cm Mu	icky Peat or Peat (S	3)	Redox De	epressior	ns (F8)			unless disturbed	or problematic.	
Postriativa	Layer (if observed)									
Resulctive	Layer (il observeu)	•								
Type:	N/A									
	N/A		_				Hydric Soil F	Present?	Yes	No
Type: Depth (ii	N/A						Hydric Soil F	Present?	Yes	No
Type: Depth (ii Remarks:	N/A nches):						Hydric Soil F	Present?	Yes	No
Type: Depth (ii Remarks:	N/A						Hydric Soil F	Present?	Yes	No
Type: Depth (ii Remarks:	N/A nches):						Hydric Soil F	Present?	Yes	No
Type: Depth (ii Remarks:	N/A nches):						Hydric Soil F	Present?	Yes	No
Type: Depth (ir Remarks: Hydric soil ir	N/A						Hydric Soil F	Present?	Yes	No
Type: Depth (ii Remarks: Hydric soil ir	N/A nches):						Hydric Soil F	Present?	Yes	No _>
Type: Depth (ii Remarks: Hydric soil ir HYDROLC	N/A nches): ndicators are absent DGY drology Indicators:									
Type: Depth (in Remarks: Hydric soil ir HyDROLC Wetland Hy Primary Indi	N/A nches): ndicators are absent DGY drology Indicators: cators (minimum of c							econdary Indicators	s (minimum of tv	
Type: Depth (in Remarks: Hydric soil ir IYDROLC Vetland Hy Primary Indi Surface	N/A nches): ndicators are absent DGY drology Indicators: cators (minimum of c Water (A1)		Water-Sta	ained Lea	. ,			econdary Indicators Surface Soil Cra	s (minimum of tv cks (B6)	
Type: Depth (ii Remarks: Hydric soil ir HyDROLC Wetland Hy Primary Indi Surface High Wa	N/A nches): ndicators are absent OGY drology Indicators: cators (minimum of of Water (A1) ater Table (A2)		Water-Sta	ained Lea ⁻ auna (B1	13)			econdary Indicators _ Surface Soil Cra _ Drainage Patterr	<u>s (minimum of tv</u> icks (B6) ns (B10)	
Type: Depth (ii Remarks: Hydric soil ir IYDROLC Wetland Hy Primary Indi Surface High Wa Saturatio	N/A nches): ndicators are absent OGY drology Indicators: cators (minimum of of Water (A1) tter Table (A2) on (A3)		Water-Sta Aquatic F True Aqu	ained Lea ⁻ auna (B1 atic Plant	I3) ts (B14)			econdary Indicators Surface Soil Cra Drainage Patterr Dry-Season Wat	s (minimum of tv icks (B6) ns (B10) ter Table (C2)	
Type: Depth (ii Remarks: Hydric soil ir IYDROLC Wetland Hy Primary India Surface High Wa Saturatio Water M	N/A hches): dicators are absent OGY drology Indicators: cators (minimum of of Water (A1) tter Table (A2) on (A3) larks (B1)		Water-Sta Aquatic F True Aqu Hydroger	ained Lea ^F auna (B1 natic Plan n Sulfide	I3) ts (B14) Odor (C1		<u>S</u> e	econdary Indicators Surface Soil Cra Drainage Patterr Dry-Season Wat Crayfish Burrows	s (minimum of tv icks (B6) ns (B10) ter Table (C2) s (C8)	vo require
Type: Depth (ii Remarks: Hydric soil ir Hydric soil ir IYDROLC Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimer	N/A nches): dicators are absent OGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2)		Water-Sta Aquatic F True Aqu Hydroger Oxidized	ained Lea auna (B1 atic Plan Sulfide Rhizosph	I3) ts (B14) Odor (C1 neres on I	_iving R	<u>S</u> e	econdary Indicators _ Surface Soil Cra _ Drainage Patterr _ Dry-Season Wat _ Crayfish Burrows _ Saturation Visibl	s (minimum of tw icks (B6) ns (B10) ter Table (C2) s (C8) e on Aerial Imag	vo require
Type: Depth (ii Remarks: Hydric soil ir IYDROLC Wetland Hy Primary Indi Surface High Wa Saturatia Water M Sedimer Drift Dep	N/A nches): ndicators are absent OGY drology Indicators: cators (minimum of c Water (A1) nter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3)		Water-Sta Aquatic F True Aqu Hydroger Oxidized Presence	ained Lea Fauna (B1 Platic Plan In Sulfide Rhizosph e of Redu	I3) ts (B14) Odor (C1 neres on I ced Iron (_iving R C4)	<u>Se</u> oots (C3)	econdary Indicators Surface Soil Cra Drainage Patterr Dry-Season Wat Crayfish Burrows Saturation Visibl Stunted or Stres	s (minimum of tv icks (B6) ns (B10) ter Table (C2) s (C8) e on Aerial Imag sed Plants (D1)	vo require
Type: Depth (ii Remarks: Hydric soil ir IYDROLO Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma	N/A nches): ndicators are absent OGY drology Indicators: cators (minimum of of Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)		Water-Sta Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir	ained Lea auna (B1 atic Plan n Sulfide Rhizosph of Redu	I3) ts (B14) Odor (C1 neres on I ced Iron (ction in Ti	_iving R C4)	<u>Se</u> oots (C3)	econdary Indicators Surface Soil Cra Drainage Patterr Dry-Season Wat Crayfish Burrows Saturation Visibl Stunted or Stres Geomorphic Pos	s (minimum of tw icks (B6) ns (B10) ter Table (C2) s (C8) e on Aerial Imag sed Plants (D1) sition (D2)	vo require
Type: Depth (ii Remarks: Hydric soil ir Hydric soil ir IYDROLC Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep	N/A nches): dicators are absent OGY drology Indicators: cators (minimum of of Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	one is require	Water-Sta Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc	ained Lea Fauna (B1 Platic Plant n Sulfide Rhizosph of Reductor on Reductor	I3) ts (B14) Odor (C1 neres on I ced Iron (ction in Ti e (C7)	_iving R C4)	<u>Se</u> oots (C3)	econdary Indicators Surface Soil Cra Drainage Patterr Dry-Season Wat Crayfish Burrows Saturation Visibl Stunted or Stres	s (minimum of tw icks (B6) ns (B10) ter Table (C2) s (C8) e on Aerial Imag sed Plants (D1) sition (D2)	vo require
Type: Depth (ii Remarks: Hydric soil ir IYDROLC Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati	N/A nches): dicators are absent OGY drology Indicators: cators (minimum of of Water (A1) tter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial I	one is require	Water-Sta Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc Gauge or	ained Lea Fauna (B1 natic Plant n Sulfide Rhizosph of Redu on Reduc k Surface Well Dat	I3) Odor (C1 neres on I ced Iron (ction in Ti ∋ (C7) ta (D9)	_iving R C4)	<u>Se</u> oots (C3)	econdary Indicators Surface Soil Cra Drainage Patterr Dry-Season Wat Crayfish Burrows Saturation Visibl Stunted or Stres Geomorphic Pos	s (minimum of tw icks (B6) ns (B10) ter Table (C2) s (C8) e on Aerial Imag sed Plants (D1) sition (D2)	vo require
Type: Depth (ii Remarks: Hydric soil ir IYDROLC Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely	N/A nches): dicators are absent OGY drology Indicators: cators (minimum of c Water (A1) ner Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial I v Vegetated Concave	one is require	Water-Sta Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc Gauge or	ained Lea Fauna (B1 natic Plant n Sulfide Rhizosph of Redu on Reduc k Surface Well Dat	I3) Odor (C1 neres on I ced Iron (ction in Ti ∋ (C7) ta (D9)	_iving R C4)	<u>Se</u> oots (C3)	econdary Indicators Surface Soil Cra Drainage Patterr Dry-Season Wat Crayfish Burrows Saturation Visibl Stunted or Stres Geomorphic Pos	s (minimum of tw icks (B6) ns (B10) ter Table (C2) s (C8) e on Aerial Imag sed Plants (D1) sition (D2)	vo require
Type: Depth (ii Remarks: Hydric soil ir Hydric soil ir IYDROLC Wetland Hy Primary India Surface High Wa Saturatio Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely	N/A nches): dicators are absent OGY drology Indicators: cators (minimum of of Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial I v Vegetated Concave vations:	ne is require	Water-Sta Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc Gauge or Other (Ex	ained Lea Fauna (B1 atic Plan n Sulfide Rhizosph of Redu on Reduc k Surface r Well Dat xplain in F	I3) Odor (C1 neres on I ced Iron (ction in Ti ∋ (C7) ta (D9) Remarks)	_iving R C4)	<u>Se</u> oots (C3)	econdary Indicators Surface Soil Cra Drainage Patterr Dry-Season Wat Crayfish Burrows Saturation Visibl Stunted or Stres Geomorphic Pos	s (minimum of tw icks (B6) ns (B10) ter Table (C2) s (C8) e on Aerial Imag sed Plants (D1) sition (D2)	vo require
Type: Depth (ii Remarks: Hydric soil ir Hydric soil ir IYDROLC Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely Field Obser Surface Wat	N/A nches): dicators are absent OGY drology Indicators: cators (minimum of of Water (A1) ter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial I v Vegetated Concave vations: ter Present? Ye	Imagery (B7) e Surface (Bł	Water-Sta Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc Gauge or Other (Ex	ained Lea Fauna (B1 atic Plan n Sulfide Rhizosph of Redu on Reduc k Surface r Well Dat k plain in F	I3) Odor (C1 neres on l ced Iron (ction in Ti e (C7) ta (D9) Remarks)	_iving R C4) Iled Soil	<u>Se</u> oots (C3)	econdary Indicators Surface Soil Cra Drainage Patterr Dry-Season Wat Crayfish Burrows Saturation Visibl Stunted or Stres Geomorphic Pos	s (minimum of tw icks (B6) ns (B10) ter Table (C2) s (C8) e on Aerial Imag sed Plants (D1) sition (D2)	vo require
Type: Depth (ii Remarks: Hydric soil ir Hydric soil ir IYDROLC Wetland Hy Primary India Surface High Wa Saturatio Water Ma Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely Field Obser Surface Wat	N/A nches): dicators are absent OGY drology Indicators: cators (minimum of of Water (A1) tter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial I / Vegetated Concave vations: rer Present? Ye	Imagery (B7) e Surface (B8 es	Water-Sta Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc Gauge or Other (Ex No X No X	ained Lea Fauna (B1 atic Plan n Sulfide Rhizosph of Redu on Reduc on Reduc k Surface Well Dat cplain in F Depth (i Depth (i	I3) Its (B14) Odor (C1 neres on l ced Iron (ction in Ti e (C7) ta (D9) Remarks) inches): _ inches): _	_iving R C4) Iled Soil	<u>Se</u>	econdary Indicators Surface Soil Cra Drainage Patterr Dry-Season Wat Crayfish Burrows Saturation Visibl Stunted or Stres Geomorphic Pos FAC-Neutral Tes	s (minimum of tw icks (B6) hs (B10) ter Table (C2) s (C8) e on Aerial Imag sed Plants (D1) sition (D2) st (D5)	vo require
Type: Depth (ii Remarks: Hydric soil ir Hydric soil ir IYDROLC Wetland Hy Primary India Surface High Wa Saturatio Drift Dep Algal Ma Iron Dep Inundatio Sparsely Field Obser Surface Wat Water Table Saturation P	N/A nches): dicators are absent OGY drology Indicators: cators (minimum of of Water (A1) tter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial I / Vegetated Concave vations: rer Present? Ye	Imagery (B7) e Surface (Bł	Water-Sta Aquatic F True Aqu Hydroger Oxidized Presence Recent Ir Thin Muc Gauge or Other (Ex	ained Lea Fauna (B1 atic Plan n Sulfide Rhizosph of Redu on Reduc k Surface r Well Dat k plain in F	I3) Its (B14) Odor (C1 neres on l ced Iron (ction in Ti e (C7) ta (D9) Remarks) inches): _ inches): _	_iving R C4) Iled Soil	<u>Se</u>	econdary Indicators Surface Soil Cra Drainage Patterr Dry-Season Wat Crayfish Burrows Saturation Visibl Stunted or Stres Geomorphic Pos	s (minimum of tw icks (B6) hs (B10) ter Table (C2) s (C8) e on Aerial Imag sed Plants (D1) sition (D2) st (D5)	vo require

Remarks:

Wetland hydrology indicators are absent

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New W	estville to West Manchester		City/Cou	nty: Preble	Sampling Date: 6/				
Applicant/Owner:	AES			State: OH			Sampling Poin	t: DP-	WSJ-001
Investigator(s): Stua	rt Jennings, Anna Stover		Section, 1	Township, Range:	12 9N	2E			
Landform (hillside, to	errace, etc.): terrace			Local relief (conca	ave, conv	ex, none):	concave		
Slope (%): 0-1	Lat: 39.8978227°j		Long: -	84.6148472°ř			Datum: NAD 83	OH.S	
Soil Map Unit Name	: Kokomo silty clay loam				1	VWI class	ification: NA		
Are climatic / hydrolo	ogic conditions on the site typic	cal for this time of ye	ear?	Yes N	o X	(If no, ex	plain in Remarks)	
Are Vegetation Y	, Soil N , or Hydrology	N significantly dist		Are "Normal Circu					
	, Soil N , or Hydrology			If needed, explain					_
	FINDINGS – Attach site							eature	es, etc.
Hydrophytic Vegeta Hydric Soil Present Wetland Hydrology	? Yes X	No No No		e Sampled Area n a Wetland?		Yes <u>X</u>	No		
	arameters are present at DP-W ons at time of data collection.	,		, ,		gic data, c	over past 3 month	s, sugg	est drier
VEGETATION –	- Use scientific names of	plants.							
Tree Stratum	(Plot size: 30)		ominant pecies?	Indicator Status D o	ominanc	e Test wo	rksheet:		
1. Quercus macro	carpa	15	Yes			Dominant ACW, or I	Species That FAC:	6	(A)
3. 4.					tal Numb ross All		ninant Species	6	(B)
5.				Pe	ercent of	Dominant	Species That		

Dominant Species I	hat	
FACW. or FAC:	100.0%	(A/B)

Are OBL, FACW,	100.0%	(A/B)		
Prevalence Inde	x worksł	neet:		
Total % Cov	er of:	M	ultiply by:	
OBL species	0	x 1 =	0	_
EACW spacios	75		150	_

2.				Total % Cov	/er of:	Mul	tiply by:	
3.				OBL species	0	x 1 =	0	
4.				FACW species	75	x 2 =	150	_
5.				FAC species	70	x 3 =	210	_
	20	=Total Cover		FACU species	20	x 4 =	80	_
Herb Stratum (Plot size: 5)				UPL species	0	x 5 =	0	_
1. Carex blanda	40	Yes	FAC	Column Totals:	165	(A)	440	(B)
2. Carex grayi	30	Yes	FACW	Prevalence Inc	dex = B/A	<u>م = ا</u>	2.67	
3. Carex shortiana	25	Yes	FACW					
4. Schedonorus arundinaceus	10	No	FACU	Hydrophytic Veg	getation I	ndicators	:	
5. Oenothera biennis	5	No	FACU	1 - Rapid Te	st for Hyd	rophytic Ve	egetation	
6. Oxalis stricta	5	No	FACU	X 2 - Dominan	ce Test is	>50%		
7.				X 3 - Prevalence	ce Index i	s ≤3.0 ¹		
8.				4 - Morpholo	gical Ada	ptations ¹ (F	Provide su	pportin
9.				data in Re	marks or	on a sepai	rate sheet)
10.				Problematic	Hydrophy	tic Vegetat	tion ¹ (Expl	lain)
	115	=Total Cover		¹ Indicators of hyd	dric soil ar	nd wetland	hvdrology	/ must
Woody Vine Stratum (Plot size: 15)			be present, unles				
1. Toxicodendron radicans	15	Yes	FAC	Hydrophytic				
2.				Vegetation				
	15	=Total Cover		•	Yes <u>X</u>	No		
Remarks: (Include photo numbers here or on a sepa	arate sheet.)						

=Total Cover

Yes

FACW

15

20

The dominance test and prevalence index are met. The vegetation is hydrophytic at DP-WSJ-001.

(Plot size:

15

Sapling/Shrub Stratum

1. Fraxinus pennsylvanica

inches) 0-10 10-18			Redo	x Feature				
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
10-18	10YR 3/1	95	10YR 3/3	5	С	PL	Loamy/Clayey	clay loam
	10YR 4/1	80	10YR 4/4	20		M	Loamy/Clayey	clay loam
·							 	
vpe C=Cor		letion RM	/=Reduced Matrix, N	//S=Mas	ked Sand	d Grains	² Location F	L=Pore Lining, M=Matrix.
ydric Soil In		· · · · ·	`					or Problematic Hydric Soils ³ :
Histosol (A	A1)		Sandy Gle	yed Matr	rix (S4)		Coast P	rairie Redox (A16)
Histic Epip	pedon (A2)		Sandy Red	dox (S5)			X Iron-Mai	nganese Masses (F12)
Black Hist	ic (A3)		Stripped N	latrix (S6	6)		Red Par	ent Material (F21)
Hydrogen	Sulfide (A4)		Dark Surfa	ice (S7)			Very Sh	allow Dark Surface (F22)
Stratified I	Layers (A5)		Loamy Mu	cky Mine	eral (F1)		Other (E	xplain in Remarks)
2 cm Muc	k (A10)		Loamy Gle	∍yed Mat	rix (F2)			
Depleted I	Below Dark Surface	e (A11)	Depleted M	√atrix (F	3)			
Thick Darl	k Surface (A12)		X Redox Dar	k Surfac	e (F6)		³ Indicators o	f hydrophytic vegetation and
Sandy Mu	icky Mineral (S1)		Depleted [Jark Sur	face (F7))	wetland	hydrology must be present,
5 cm Muc	ky Peat or Peat (S3	5)	Redox Dep	pression	s (F8)		unless d	listurbed or problematic.
	aver (if observed).							
estrictive La								
Туре:								
Type: Depth (inc Remarks: One hydric so	il indicator redox da		e (F6) is met. One ir	ndicator o	of proble	matic hy	Hydric Soil Present? dric soil F12 iron-mangar	Yes X No
Type: Depth (inc Remarks: One hydric so	il indicator redox da		e (F6) is met. One ir	ndicator o	of proble	matic hy		
Type: Depth (inc emarks: One hydric so ydric at DP-V	il indicator redox da		e (F6) is met. One ir	ndicator (of proble	matic hy		
Type: Depth (inc Remarks: One hydric so ydric at DP-V YDROLOC	ches): il indicator redox da NSJ-001. GY rology Indicators:	ark surface			of proble	matic hy	dric soil F12 iron-mangar	nese masses is met. The soil is
Type: Depth (inc Remarks: Dine hydric so ydric at DP-V YDROLOO Vetland Hydr Primary Indica	ches): il indicator redox da NSJ-001. GY rology Indicators: ators (minimum of c	ark surface	uired; check all that	apply)			dric soil F12 iron-mangar	nese masses is met. The soil is
Type: Depth (inc Remarks: One hydric so ydric at DP-V YDROLOC YDROLOC Vetland Hydu Primary Indica Surface W	ches): il indicator redox da WSJ-001. GY rology Indicators: ators (minimum of c Vater (A1)	ark surface	uired; check all that	apply) ined Lea	ves (B9)		dric soil F12 iron-mangar	nese masses is met. The soil is ndicators (minimum of two requ Soil Cracks (B6)
Type: Depth (inc Remarks: One hydric so ydric at DP-V YDROLOO Yetland Hydr Primary Indica Surface W High Wate	ches): il indicator redox da WSJ-001. GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2)	ark surface	uired; check all that Water-Sta Aquatic Fa	apply) ined Lea auna (B1:	ves (B9) 3)		dric soil F12 iron-mangar	nese masses is met. The soil is ndicators (minimum of two requ Soil Cracks (B6) e Patterns (B10)
Type: Depth (inc emarks: One hydric so ydric at DP-V YDROLOO Yetland Hydr rimary Indica Surface W High Wate Saturation	ches): il indicator redox da WSJ-001. GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3)	ark surface	uired; check all that Water-Sta Aquatic Fa True Aqua	apply) ined Lea auna (B1:	ves (B9) 3) s (B14)	-	dric soil F12 iron-mangar	nese masses is met. The soil is ndicators (minimum of two requ Soil Cracks (B6) e Patterns (B10) son Water Table (C2)
Type: Depth (inc emarks: Due hydric so ydric at DP-V YDROLOC Yetland Hydr rimary Indica Surface W High Wate Saturation Water Ma	ches): il indicator redox da NSJ-001. GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) rks (B1)	ark surface	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen	apply) ined Lea auna (B1: tic Plants Sulfide C	ves (B9) 3) s (B14) Ddor (C1)	dric soil F12 iron-mangar <u>Secondary li</u> <u>Surface</u> Drainage <u>Crayfish</u>	nese masses is met. The soil is ndicators (minimum of two requ Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8)
Type: Depth (inc Remarks: Dne hydric so hydric at DP-V YDROLOO Yetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment	ches): il indicator redox da NSJ-001. GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2)	ark surface	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F	apply) ined Lea auna (B1 auna (B1 sulfide C Rhizosph	ves (B9) 3) s (B14) Ddor (C1 eres on l) Living Ro	dric soil F12 iron-mangar	nese masses is met. The soil is ndicators (minimum of two requ Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C
Type: Depth (inc Remarks: Dine hydric so ydric at DP-V YDROLOO YDROLOO Ydrimary Indica Surface W High Wate Saturation Water Mai Sediment Drift Depo	ches): il indicator redox da WSJ-001. GY rology Indicators: ators (minimum of co Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) osits (B3)	ark surface	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F	apply) ined Lea auna (B1: ttic Plants Sulfide C Rhizospho of Reduc	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron () Living Ro	dric soil F12 iron-mangar	nese masses is met. The soil is ndicators (minimum of two requ Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C or Stressed Plants (D1)
Type: Depth (inc emarks: ne hydric so ydric at DP-V YDROLOO Yetland Hydr rimary Indica Surface W High Wate Saturation Water Mar Sediment Drift Depo Algal Mat	ches): il indicator redox da WSJ-001. GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4)	ark surface	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro	apply) ined Lea auna (B1: tic Plants Sulfide C Rhizosph of Reduc n Reduc	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tion in Ti) Living Ro	dric soil F12 iron-mangar <u>Secondary In</u> Surface Drainage Dry-Sea Crayfish bots (C3) Saturation Stunted s (C6) X Geomor	nese masses is met. The soil is ndicators (minimum of two requ Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C or Stressed Plants (D1) phic Position (D2)
Type: Depth (inc Remarks: Dne hydric so ydric at DP-V YDROLOC Yetland Hydr Mater Mater Saturation Water Mater Saturation Water Mater Sediment Drift Depo Algal Mat Iron Depo:	ches): il indicator redox da WSJ-001. GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) sits (B5)	ark surface	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck	apply) ined Lea auna (B1: tic Plants Sulfide C Rhizospho of Reduc on Reduc Surface	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tion in Ti (C7)) Living Ro	dric soil F12 iron-mangar <u>Secondary In</u> Surface Drainage Dry-Sea Crayfish bots (C3) Saturation Stunted s (C6) X Geomor	nese masses is met. The soil is ndicators (minimum of two requ Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C or Stressed Plants (D1)
Type: Depth (inc emarks: Due hydric so ydric at DP-V YDROLOC Yetland Hydu rimary Indica Surface W High Wate Saturation Water Mat Sediment Drift Depo Algal Mat Iron Depos Inundatior	ches): il indicator redox da WSJ-001. GY rology Indicators: ators (minimum of c Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4)	ark surface	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck 37) Gauge or V	apply) ined Lea auna (B1: tic Plant: Sulfide C Rhizospho of Reduc of Reduc in Reduc is Surface Well Data	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tion in Ti (C7) a (D9)) Living Ro (C4) Illed Soils	dric soil F12 iron-mangar <u>Secondary In</u> Surface Drainage Dry-Sea Crayfish bots (C3) Saturation Stunted s (C6) X Geomor	nese masses is met. The soil is ndicators (minimum of two requ Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C or Stressed Plants (D1) phic Position (D2)
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Type: Depth (inc Remarks: Dne hydric so hydric at DP-V YDROLOC Vetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment Drift Depo Algal Mat Iron Depo: Inundation Sparsely V	ches): il indicator redox da WSJ-001. GY rology Indicators: ators (minimum of co Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) sits (B5) n Visible on Aerial In Vegetated Concave ations: r Present? Ye	ark surface one is requ magery (E s Surface (uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence o Recent Iro Thin Muck 37) Gauge or 1 (B8) Other (Exp	apply) ined Lea auna (B1: tic Plants Sulfide C Rhizospho of Reduc n Reduc Surface Well Dats olain in R	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tion in Ti (C7) a (D9) remarks) nches): _) Living Ro (C4) Illed Soils	dric soil F12 iron-mangar <u>Secondary In</u> Surface Drainage Dry-Sea Crayfish bots (C3) Saturation Stunted s (C6) X Geomor	nese masses is met. The soil is ndicators (minimum of two requ Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C or Stressed Plants (D1) phic Position (D2)
Depth (inc Remarks: Dne hydric so hydric at DP-V YDROLOC Vetland Hydr Primary Indica Surface W High Wate Saturation Water Mar Sediment Drift Depo Algal Mat Iron Depos Inundatior	ches): il indicator redox da WSJ-001. GY rology Indicators: ators (minimum of co Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) sits (B5) n Visible on Aerial In Vegetated Concave ations: r Present? Ye	magery (E Surface (uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence o Recent Iro Thin Muck 37) Gauge or V (B8) Other (Exp No X No X	apply) ined Lea auna (B1: tic Plant: Sulfide C Rhizospho of Reduc of Reduc of Reduc s Surface Well Data blain in R	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tion in Ti (C7) a (D9) emarks) mches):) Living Ro (C4) Illed Soils	dric soil F12 iron-mangar <u>Secondary In</u> Surface Drainage Dry-Sea Crayfish bots (C3) Saturation Stunted s (C6) X Geomor	nese masses is met. The soil is ndicators (minimum of two requ Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C or Stressed Plants (D1) phic Position (D2) utral Test (D5)
Type: Depth (inc Remarks: Dne hydric so hydric at DP-V YDROLOC Yetland Hydr Primary Indica Surface W High Wate Saturation Water Mate Sediment Drift Depo Algal Mat Iron Depos Inundation Sparsely V Field Observa Surface Water Vater Table F	ches): il indicator redox da NSJ-001. GY rology Indicators: ators (minimum of o Vater (A1) er Table (A2) n (A3) rks (B1) Deposits (B2) osits (B3) or Crust (B4) sits (B5) n Visible on Aerial In Vegetated Concave ations: r Present? Ye esent? Ye	magery (E Surface (uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence o Recent Iro Thin Muck 37) Gauge or V (B8) Other (Exp No X No X	apply) ined Lea auna (B1: tic Plant: Sulfide C Rhizospho of Reduc of Reduc	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tion in Ti (C7) a (D9) emarks) mches):) Living Ro (C4) Illed Soils	dric soil F12 iron-mangar <u>Secondary II</u> Surface Drainage Dry-Sea Crayfish pots (C3) Saturatie Stunted s (C6) X Geomor X FAC-Ne	nese masses is met. The soil is ndicators (minimum of two requ Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C or Stressed Plants (D1) phic Position (D2) utral Test (D5)

hydrology are observed. This area is a Depresesion. There is wetland hydrology at DP-WSJ-001.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New Westville to West Manchester			City/Cc	ounty: Preble		!	Sampling Date:	ate:	6/12/2023				
Applicant/Owner:	AES					State:	OH	+ 5	Sampling Poi	int:	DP-UPL-WSJ-001-1		
Investigator(s): Stuar	t Jenr	iings,	Anna Stover			Section	, Township, Range:	12 9N	2E				
Landform (hillside, te	errace.	, etc.):	terrace				Local relief (conca	ve, con	vex, nc	one): <u>no</u>	one		
Slope (%): 0-1	Lat:	39.89	∂79738° †			Long:	-84.6143734°r			Da	atum: <u>NAD 8</u>	<u>3 OF</u>	I.S
Soil Map Unit Name:	Koko	mo sil	ty clay loam						NWI c	lassifica	ation: NA		
Are climatic / hydrolo	ogic cc	onditio	ns on the site ty	pical	for this time of ye	ear?	Yes No	<u>х</u>	(If nc	o, explai	in in Remark	(s.)	
Are Vegetation N	, Soil	N	, or Hydrology	Ν	significantly dist	urbed?	Are "Normal Circum	nstance	s" pres	sent?	Yes X	No	
Are Vegetation N	, Soil	N	, or Hydrology	Ν	_naturally probler	natic?	(If needed, explain	any ans	swers i	in Rema	arks.)		
SUMMARY OF F	FIND	ING	३ – Attach si	te m	nap showing	sampl	ing point locati	ons, t	ranse	ects, i	mportant	feat	tures, etc.
Hydrophytic Vegeta	tion P	resen	t? Yes	٨	No <u>X</u>	ls ti	he Sampled Area						

Hydrophytic Vegetation Present?	Yes	No <u>X</u>	Is the Sampled Area		
Hydric Soil Present?	Yes	No X	within a Wetland?	Yes	No X
Wetland Hydrology Present?	Yes	No X			

Remarks:

Wetland parameters are not Present at DP-UPL-WSJ-001-1. Hydrologic and climatologic data, over past 3 months, suggest drier than normal conditions at time of data collection. Stormwater input into this wetland.

VEGETATION - Use scientific names of plants.

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:
1				Number of Dominant Species That
2	<u> </u>			Are OBL, FACW, or FAC: 4 (A)
3				Total Number of Dominant Species
4	.			Across All Strata: 10 (B)
5				Percent of Dominant Species That
		=Total Cover		Are OBL, FACW, or FAC: 40.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15)			
1. Aesculus glabra	20	Yes	FAC	Prevalence Index worksheet:
2. Fraxinus pennsylvanica	20	Yes	FACW	Total % Cover of: Multiply by:
3. Lonicera maackii	20	Yes	UPL	OBL species 0 x 1 = 0
4. Carya ovata	15	Yes	FACU	FACW species 20 x 2 = 40
5.				FAC species 85 x 3 = 255
	75	=Total Cover		FACU species 90 x 4 = 360
Herb Stratum (Plot size: 5)				UPL species 90 x 5 = 450
1. Carex hirtifolia	40	Yes	UPL	Column Totals: 285 (A) 1105 (B)
2. Trifolium pratense	35	Yes	FACU	Prevalence Index = B/A = 3.88
3. Celtis occidentalis	35	Yes	FAC	
4. Toxicodendron radicans	25	Yes	FAC	Hydrophytic Vegetation Indicators:
5. Setaria viridis	25	Yes	UPL	1 - Rapid Test for Hydrophytic Vegetation
6. Solidago canadensis	25	Yes	FACU	2 - Dominance Test is >50%
7. Cirsium arvense	15	No	FACU	3 - Prevalence Index is ≤3.0 ¹
8. Carex grayii	10	No		4 - Morphological Adaptations ¹ (Provide supporting
9. Ambrosia trifida	5	No	FAC	data in Remarks or on a separate sheet)
10. Carex hirtifolia	5	No	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
	220	=Total Cover		¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size: 30)			be present, unless disturbed or problematic.
1.	•			Hudronhutio
2.				Hydrophytic Vegetation
		=Total Cover		Present? Yes <u>No X</u>

Remarks: (Include photo numbers here or on a separate sheet.)

No indicators of hydrophytic vegetation are met. The vegetation is not hydrophytic at DP-UPL-WSJ-001-1.

		to the dep				itor or c	confirm the absence	of indicators.)
Depth	Matrix			ox Featur		Loc ²	- (
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	LOC	Texture	Remarks
0-10	10YR 3/1	100					Loamy/Clayey	clay loam
10-18	10YR 4/1	80	10YR 4/4	20	D	M	Sandy	clay loam
		· ·		·				
Type: C=Con	centration, D=Dep	letion, RM	=Reduced Matrix,	MS=Mas	ked Sand	Grains	²Location	: PL=Pore Lining, M=Matrix.
Hydric Soil Ind		,	,					s for Problematic Hydric Soils ³ :
Histosol (A	.1)		Sandy Gle	eyed Mat	rix (S4)		Coas	t Prairie Redox (A16)
Histic Epip	edon (A2)		Sandy Re	dox (S5)			Iron-	Manganese Masses (F12)
Black Histi	c (A3)		Stripped I	Matrix (Se	6)		Red	Parent Material (F21)
Hydrogen	Sulfide (A4)		Dark Surf	ace (S7)			Very	Shallow Dark Surface (F22)
Stratified L	ayers (A5)		Loamy M	ucky Mine	eral (F1)		Othe	r (Explain in Remarks)
2 cm Muck	()		Loamy Gl	eyed Ma	trix (F2)			
Depleted B	Below Dark Surface	e (A11)	Depleted	-	-			
	Surface (A12)		Redox Da		```			s of hydrophytic vegetation and
	cky Mineral (S1)		Depleted		• • •			nd hydrology must be present,
5 cm Muck	xy Peat or Peat (S3	3)	Redox De	pression	s (F8)		unles	s disturbed or problematic.
Restrictive La	yer (if observed):	:						
Туре:								
Depth (incl	hes).							
Remarks:	,	The soil is	s not hydric at DP-	UPL-WS.	J-001-1.		Hydric Soil Present	? Yes No
Remarks: No hydric soil i	ndicators are met.	The soil is	s not hydric at DP-I	UPL-WS	J-001-1.		Hydric Soil Present	? Yes No
Remarks: No hydric soil i IYDROLOG Wetland Hydro	ndicators are met. SY ology Indicators:				J-001-1.			
Remarks: No hydric soil i IYDROLOG Wetland Hydro Primary Indicat	ndicators are met. SY ology Indicators: tors (minimum of c		ired; check all that	apply)			Seconda	ry Indicators (minimum of two requi
Remarks: No hydric soil i IYDROLOG Wetland Hydro Primary Indicat Surface W:	ndicators are met. SY ology Indicators: tors (minimum of c ater (A1)		ired; check all that Water-Sta	apply)	aves (B9)		<u>Seconda</u> Surfa	ry Indicators (minimum of two requi rce Soil Cracks (B6)
Remarks: No hydric soil i IYDROLOG Wetland Hydr Primary Indicat Surface W High Wate	ndicators are met. SY ology Indicators: tors (minimum of c ater (A1) r Table (A2)		ired; check all that Water-Sta Aquatic F	apply) ained Lea auna (B1	aves (B9) 3)		<u>Seconda</u> Surfa Drair	ry Indicators (minimum of two requinates Soil Cracks (B6) age Patterns (B10)
Remarks: No hydric soil i IYDROLOG Wetland Hydro Primary Indicat Surface W. High Wate Saturation	ndicators are met. SY ology Indicators: tors (minimum of c ater (A1) r Table (A2) (A3)		ired; check all that Water-Sta	<u>apply)</u> ained Lea auna (B1 atic Plant	aves (B9) 3) s (B14)		<u>Seconda</u> Surfa Drair Dry-S	ry Indicators (minimum of two requinates and the second se
Remarks: No hydric soil i IYDROLOG Wetland Hydr Primary Indicat Surface W High Wate Saturation Water Mar	ndicators are met. SY ology Indicators: tors (minimum of c ater (A1) r Table (A2) (A3)		ired; check all that Water-Sta Aquatic F True Aqua	apply) ained Lea auna (B1 atic Plant Sulfide (aves (B9) 3) 25 (B14) Odor (C1)		<u>Seconda</u> Surfa Drair Dry-S Cray	ry Indicators (minimum of two requinates Soil Cracks (B6) age Patterns (B10)
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Remarks: No hydric soil i IYDROLOG Wetland Hydro Primary Indicat Surface W High Water Saturation Water Mari Sediment I Drift Depos	ndicators are met. GY ology Indicators: tors (minimum of c ater (A1) r Table (A2) (A3) ks (B1) Deposits (B2)		ired; check all that Water-Sta Aquatic F True Aqua Hydrogen Oxidized	apply) ained Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc	aves (B9) 3) s (B14) Odor (C1) heres on L ced Iron (iving Ro C4)	<u>Seconda</u> Surfa Drair Dry-5 Cray pots (C3) Satur	ry Indicators (minimum of two requin nce Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9
Remarks: No hydric soil i HYDROLOG Wetland Hydr Primary Indicat Surface W High Water Saturation Water Marl Sediment I Drift Depos Algal Mat c Iron Depos	ndicators are met. ology Indicators: tors (minimum of c ater (A1) r Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5)	one is requ	ired; check all that Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent Iro Thin Mucl	apply) ained Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc on Reduc < Surface	aves (B9) 3) 3(B14) Odor (C1) neres on L ced Iron (ction in Ti e (C7)	iving Ro C4)	Seconda Surfa Drair Dry-5 Cray poots (C3) Satur s (C6) X Geor	ry Indicators (minimum of two requinates Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9 ted or Stressed Plants (D1)
Remarks: No hydric soil i IYDROLOG Wetland Hydr Primary Indicat Surface W High Wate Saturation Water Marl Sediment I Drift Depos Algal Mat c Iron Depos Inundation	ndicators are met. SY ology Indicators: tors (minimum of c ater (A1) r Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) Visible on Aerial I	one is requ	ired; check all that Water-Sta Aquatic F True Aqua Hydrogen Oxidized I Presence Recent Iro Thin Mucl 7) Gauge or	apply) ained Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc on Reduc Surface Well Dat	aves (B9) 3) 2dor (C1) dor (C1) neres on L ced Iron (ction in Ti e (C7) a (D9)	iving Ro C4)	Seconda Surfa Drair Dry-5 Cray poots (C3) Satur s (C6) X Geor	ry Indicators (minimum of two requinate See Soil Cracks (B6) Bage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9 ted or Stressed Plants (D1) norphic Position (D2)
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Remarks: No hydric soil i HYDROLOG Wetland Hydro Primary Indical Surface W High Water Saturation Water Mark Sediment I Drift Depos Algal Mat o Iron Depos Inundation Sparsely V Field Observa	ndicators are met. Ology Indicators: tors (minimum of c ater (A1) r Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) Visible on Aerial I 'egetated Concave ttions:	one is requ	ired; check all that Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent Iro Thin Mucl 7) Gauge or B8) Other (Ex	apply) ained Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc < Surface Well Dat plain in F	aves (B9) 3) 23 (B14) 20dor (C1) aeres on L ced Iron (ction in Ti e (C7) ta (D9) Remarks)	iving Ro C4)	Seconda Surfa Drair Dry-5 Cray poots (C3) Satur s (C6) X Geor	ry Indicators (minimum of two requinate See Soil Cracks (B6) Bage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9 ted or Stressed Plants (D1) norphic Position (D2)
Remarks: No hydric soil i HYDROLOG Wetland Hydro Surface Wa High Water Saturation Water Marl Sediment I Orift Depos Algal Mat o Iron Depos Inundation Sparsely V Field Observa Surface Water	ndicators are met. ology Indicators: tors (minimum of c ater (A1) r Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) Visible on Aerial I /egetated Concave tions: Present? Ye	one is requ magery (B e Surface (ired; check all that Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent Iro Thin Mucl 7) Gauge or B8) Other (Ex	apply) ained Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc < Surface Well Dat plain in F Depth (i	aves (B9) 3) 3) Odor (C1) Deres on L ced Iron (ction in Ti e (C7) ca (D9) Remarks) nches): _	iving Ro C4)	Seconda Surfa Drair Dry-5 Cray poots (C3) Satur s (C6) X Geor	ry Indicators (minimum of two requinate See Soil Cracks (B6) Bage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9 ted or Stressed Plants (D1) norphic Position (D2)
Remarks: No hydric soil i HYDROLOG Wetland Hydro Primary Indical Surface W High Water Saturation Water Mark Sediment I Drift Depos Algal Mat o Iron Depos Inundation Sparsely V Field Observa	ndicators are met. ology Indicators: tors (minimum of c ater (A1) r Table (A2) (A3) ks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) Visible on Aerial I 'egetated Concave ttions: Present? Ye	magery (B Surface (ss	ired; check all that Water-Sta Aquatic F True Aqua Hydrogen Oxidized Presence Recent Iro Thin Mucl 7) Gauge or B8) Other (Ex	apply) ained Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc < Surface Well Dat plain in F Depth (i	aves (B9) 3) 2dor (C1) beres on L ced Iron (ction in Ti ce (C7) a (D9) Remarks) nches): _ nches): _	iving Ro C4)	Seconda Surfa Drair Dry-5 Cray poots (C3) Satur s (C6) X Geor	ry Indicators (minimum of two requi ince Soil Cracks (B6) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9 ted or Stressed Plants (D1) morphic Position (D2) Neutral Test (D5)

(includes of	capillary fringe)
Describe F	Recorded Data (stre

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

One secondary indicator of wetland hydrology is observed. There is not wetland hydrology at DP-UPL-WSJ-001-1.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New W	estville to West	Manchester		City/Co	unty: Preble			Sampling Date:	6/12/2023
Applicant/Owner:	AES					State:	ОН	Sampling Point:	DP-UPL-WSJ-001-2
Investigator(s): Stuar	t Jennings, Anr	na Stover		Section,	Township, Range:	12 9N	2E		
Landform (hillside, te	errace, etc.): <u>te</u>	race			Local relief (concav	ve, conv	ex, none): none	
Slope (%): 0-1	Lat: <u>39.8978</u> 4	497°∣		Long:	-84.6149154°ř			Datum: NAD 83 OI	H.S
Soil Map Unit Name:	Kokomo silty o	lay loam				I	WI clas	sification: NA	
Are climatic / hydrolo	ogic conditions	on the site typic	al for this time of y	ear?	Yes No	<u> </u>	(If no, e	xplain in Remarks.)	
Are Vegetation Y	, Soil <u>N</u> , o	r Hydrology N	significantly dist	turbed?	Are "Normal Circum	nstances	s" presen	t? Yes No	о <u>Х</u>
Are Vegetation N	, Soil <u>N</u> , o	r Hydrology N	Nnaturally proble	matic?	(If needed, explain	any ans	wers in F	Remarks.)	
SUMMARY OF I	FINDINGS -	Attach site	map showing	sampli	ing point location	ons, tr	ansect	s, important fea	tures, etc.
Hydrophytic Vegeta Hydric Soil Present Wetland Hydrology	?	Yes <u>X</u> Yes Yes	No X No X No X		ne Sampled Area nin a Wetland?	,	Yes	NoX	
Remarks: Wetland parameter	s are not Prese	nt at DP-UPL-V	VSJ-001-2. Hvdrold	paic and c	climatologic data, ov	er past (3 months	. suggest drier than r	ormal

Wetland parameters are not Present at DP-UPL-WSJ-001-2. Hydrologic and climatologic data, over past 3 months, suggest drier than normal conditions at time of data collection. Stormwater input into this wetland. Area is within a Utility Corridor; Vegetation is managed.

VEGETATION - Use scientific names of plants.

True Otresterre		00	\ \	Absolute	Dominant	Indicator	Deminent Te	4	4		
Tree Stratum	(Plot size:	30)	% Cover	Species?	Status	Dominance Tes				
1. 2.							Number of Domi Are OBL, FACW		ies That	3	(A)
3							Total Number of Across All Strata		Species	4	(B)
5	otum (Dist		15		=Total Cover		Percent of Domi Are OBL, FACW			75.0%	_(A/B)
Sapling/Shrub Str 1.	<u>atum</u> (Plot		15	· ·			Prevalence Inde	ex worksl	neet:		
0							Total % Co	ver of:	Mu	Itiply by:	
2							OBL species	0	x 1 =		_
4							FACW species	50	x 2 =	100	_
5.							FAC species		x 3 =	120	_
					=Total Cover		FACU species		x 4 =	0	_
Herb Stratum	(Plot size:	5)				UPL species	50	x 5 =	250	_
1. Zea mays				50	Yes	UPL	Column Totals:	140	(A)	470	(B)
2. Trifolium prate	ense			30	Yes	FACW	Prevalence In	idex = B/A	<u>م</u> =	3.36	
3. Celtis occiden	talis			25	Yes	FAC					_
4. Toxicodendroi	n radicans			20	No	FACW	Hydrophytic Ve	getation	ndicators	:	
5.							1 - Rapid Te	est for Hyd	rophytic V	egetation	
0							X 2 - Dominan	ice Test is	>50%		
7							3 - Prevalen	ce Index i	s ≤3.0 ¹		
0							4 - Morpholo	ogical Ada	ptations ¹ (Provide su	pporting
0							data in Re	emarks or	on a sepa	rate sheet)
10							Problematic	Hydrophy	tic Vegeta	tion ¹ (Expl	ain)
Woody Vine Strat		size:	30	125	=Total Cover		¹ Indicators of hyden be present, unless			, ,,	must
1. Toxicodendroi				, 15	Yes	FAC					
2.						-	Hydrophytic Vegetation				
				15	=Total Cover		•	Yes X	No		
Remarks: (Includ	e photo numbers	s here or	on a sena	arate sheet)							

The dominance test is met. The vegetation is hydrophytic at DP-UPL-WSJ-001-2.

SOIL

Depth							firm the absence o	, maloutorol)		
	Matrix			ox Featur		Loc ²		- .		
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	LOC	Texture	Remarks		
0-3	10YR 3/2	100					Loamy/Clayey	Silty clay loam		
3-10	10YR 3/1	100					Loamy/Clayey	clay loam		
10-18	10YR 4/1	80	10YR 3/2	20	С	М	Loamy/Clayey	Faint redox concentrations		
								Blocky		
¹ Type: C=Cc	oncentration, D=Dep	letion, RM=	Reduced Matrix,	MS=Mas	ked Sand	Grains.	² Location:	PL=Pore Lining, M=Matrix.		
Hydric Soil I		,	,			-		s for Problematic Hydric Soils ³ :		
, Histosol (Sandy Gl	eyed Mat	rix (S4)			t Prairie Redox (A16)		
	ipedon (A2)		Sandy Re	-				/anganese Masses (F12)		
Black His			Stripped I					Parent Material (F21)		
Hydroger	n Sulfide (A4)		Dark Surf	ace (S7)			Very	Shallow Dark Surface (F22)		
Stratified	Layers (A5)		Loamy M	ucky Mine	eral (F1)		Other (Explain in Remarks)			
2 cm Muo	ck (A10)		Loamy Gl	eyed Ma	trix (F2)					
Depleted	Below Dark Surface	e (A11)	Depleted	Matrix (F	3)					
Thick Da	irk Surface (A12)		Redox Da	rk Surfac	ce (F6)		³ Indicators	s of hydrophytic vegetation and		
Sandy M	ucky Mineral (S1)		Depleted	Dark Sur	face (F7)	1	wetlar	nd hydrology must be present,		
5 cm Muo	cky Peat or Peat (S3	3)	Redox De	pression	s (F8)		unles	s disturbed or problematic.		
Restrictive L	Layer (if observed):									
Type:										
Depth (in	nches):					H	ydric Soil Present	? Yes No		
Remarks:										
	il indicators are met.	The soil is	not hydric at DP-	JPL-WS	J-001-2.					
No hydric soil	θGY		not hydric at DP-	JPL-WS	J-001-2.					
No hydric soi IYDROLO Wetland Hyd	GY drology Indicators:				J-001-2.					
No hydric soi IYDROLO Wetland Hyd Primary Indic	GY drology Indicators: cators (minimum of c		ed; check all that	apply)				y Indicators (minimum of two requi		
No hydric soil IYDROLO Wetland Hyd Primary Indic Surface V	GY drology Indicators: cators (minimum of c Water (A1)		ed; check all that	apply)	ives (B9)		Surfa	ce Soil Cracks (B6)		
No hydric soil	GY drology Indicators: cators (minimum of c Water (A1) ter Table (A2)		<u>ed; check all that</u> Water-Sta Aquatic F	apply) ained Lea auna (B1	aves (B9) 3)		Surfa	ce Soil Cracks (B6) age Patterns (B10)		
No hydric soil IYDROLO Wetland Hyd Primary Indic Surface V High Wat Saturatio	GY drology Indicators: cators (minimum of c Water (A1) ter Table (A2) on (A3)		ed; check all that Water-Sta Aquatic F True Aquatic	<u>apply)</u> ained Lea auna (B1 atic Plant	aves (B9) 3) s (B14)		Surfa Draina Dry-S	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2)		
No hydric soil HYDROLO Wetland Hyd Primary Indic Surface V High Wat Saturatiou Water Ma	GY drology Indicators: cators (minimum of c Water (A1) ter Table (A2) on (A3) arks (B1)		ed; check all that Water-Sta Aquatic F True Aqua Hydrogen	apply) ained Lea auna (B1 atic Plant Sulfide (ives (B9) 3) s (B14) Ddor (C1)	Surfa Drain: Dry-S Crayfi	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) ish Burrows (C8)		
No hydric soil HYDROLO Wetland Hyd Primary Indic Surface V High Wat Saturation Water Ma Sediment	GY drology Indicators: cators (minimum of c Water (A1) ter Table (A2) on (A3)		ed; check all that Water-Sta Aquatic F True Aqua Hydrogen	apply) ained Lea auna (B1 atic Plant Sulfide (Rhizosph	ives (B9) 3) s (B14) Ddor (C1 eres on l) ₋iving Roots	Surfa Drain: Dry-S Crayfi s (C3)Satur	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2)		

Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) FAC-Neutral Test (D5) Iron Deposits (B5) Thin Muck Surface (C7) Inundation Visible on Aerial Imagery (B7) Gauge or Well Data (D9) Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks) Field Observations: YesNoXDepth (inches):YesNoXDepth (inches):YesNoXDepth (inches): Surface Water Present? Water Table Present? Wetland Hydrology Present? Yes No X Saturation Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

No primary or secondary indicators of wetland hydrology are met. There is not wetland hydrology at DP-UPL-WSJ-001-2.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New Westville to West Manchester						City/Cc	ounty: Preble		Sampling Date:	6/13/2023	
Applicant/Owner:	cant/Owner: AES							State:	OH	Sampling Point:	DP-WSJ-002-1
Investigator(s): Stuar	t Jenn	ings, Ann	a Stove	ər		Section,	Township, Ran	ge: <u>13 9N</u>	l 2E		
Landform (hillside, te	errace,	etc.): str	eambeo	Ł			Local relief (co	ncave, con	ivex, none): concave	
Slope (%): 0-2	Lat:	39.88523	326° ∣̃			Long:	-84.6147432°r്			Datum: NAD 83 Of	1.S
Soil Map Unit Name:	Sloar	n silt loam							NWI clas	sification: R4ABC	
Are climatic / hydrolo	ogic co	nditions o	on the s	ite typica	al for this time of y	year?	Yes	No <u>X</u>	(If no, e	explain in Remarks.)	
Are Vegetation Y	, Soil	<u>N</u> , o	r Hydro	logy <u>N</u>	significantly dis	sturbed?	Are "Normal Ci	rcumstance	es" presen	t? Yes No	» <u>Х</u>
Are Vegetation N	, Soil	<u>N</u> , o	r Hydro	logy <u>N</u>	naturally proble	ematic?	(If needed, exp	lain any an	swers in F	(emarks.)	
SUMMARY OF F	FIND	INGS –	Attac	h site ı	map showing	ı sampli	ing point loc	ations, t	ransect	s, important fea	tures, etc.
Hydrophytic Vegeta Hydric Soil Present Wetland Hydrology	?		Yes Yes Yes	Х	No No No		ne Sampled Are nin a Wetland?	a	Yes <u>X</u>	No	
Remarks:											

All Three wetland parameters are present at DP-WSJ-002-1. Hydrologic and climatologic data, over past 3 months, suggest drier than normal conditions at time of data collection. The wetland area consists of a utility right-of-way and is mowed & managed.

VEGETATION - Use scientific names of plants.

1.		Absolute	Dominant	Indicator	
2. Image: Constraint opecies in the constraint opecies is in the constraint opecies in the constraint opecies is in the constraint opecies in the constraint opecies is in the constratent opecies is in the constratent opecies is in the c	Tree Stratum(Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:
3.	1				
4.	2				Are OBL, FACW, or FAC: 1 (A)
5.	3				Total Number of Dominant Species
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	4				Across All Strata: 1 (B)
Sapling/Shrub Stratum (Plot size: 15) 1.	5				Percent of Dominant Species That
Image: Second secon			=Total Cover		Are OBL, FACW, or FAC: 100.0% (A/B)
2.	Sapling/Shrub Stratum (Plot size: 15)			
3.	1				Prevalence Index worksheet:
3.	2				Total % Cover of: Multiply by:
5. =Total Cover Herb Stratum (Plot size: 5) 1. Leersia oryzoides 2. Acorus calamus 3. Carex shortiana 4. 10 5. 10 6. 11. 7. 11. 8. 11. 9. 10. 10. 100 10. 100 10. 100 10. 100 10. 100 10. 100 10. 100 10. 100 10. 100 100 =Total Cover 100 =Total Cover	3				OBL species90 x 1 =90
5. =Total Cover Herb Stratum (Plot size: 5) 1. Leersia oryzoides 2. Acorus calamus 3. Carex shortiana 4. 10 5. 10 6. 11. 7. 11. 8. 11. 9. 10. 10. 100 10. 100 10. 100 10. 100 10. 100 10. 100 10. 100 10. 100 10. 100 100 =Total Cover 100 =Total Cover	4.				FACW species 10 x 2 = 20
Herb Stratum (Plot size: 5) $=$ Total CoverFACU species 0 $x 4 = 0$ 1.Leersia oryzoides75YesOBLUPL species 0 $x 5 = 0$ 2.Acorus calamus15NoOBLColumn Totals: 100(A)110(B)3.Carex shortiana10NoFACWPrevalence Index = B/A = 1.10110(B)4	5				
Herb Stratum(Plot size:5)1.Leersia oryzoides75YesOBL2.Acorus calamus15NoOBL3.Carex shortiana10NoFACW4.10NoFACW5. \therefore \therefore \therefore 6. \therefore \therefore \therefore 7. \therefore \therefore \therefore 8. \longrightarrow \therefore \therefore 9. 100 $=$ Total Cover 100			=Total Cover		FACU species 0 x 4 = 0
1. Leersia oryzoides 75 Yes OBL Column Totals: 100 (A) 110 (B) 2. Acorus calamus 15 No OBL Prevalence Index = B/A = 1.10 3. Carex shortiana 10 No FACW Hydrophytic Vegetation Indicators: 4.	Herb Stratum (Plot size: 5)				
3. Carex shortiana 10 No FACW 4.		75	Yes	OBL	Column Totals: 100 (A) 110 (B)
3. Carex shortiana 10 No FACW 4.	2. Acorus calamus	15	No	OBL	Prevalence Index = B/A = 1.10
5.	3. Carex shortiana	10	No	FACW	
5. X 1 - Rapid Test for Hydrophytic Vegetation 6. X 2 - Dominance Test is >50% 7. X 3 - Prevalence Index is ≤3.0 ¹ 8. 4 - Morphological Adaptations ¹ (Provide support data in Remarks or on a separate sheet) 9. Problematic Hydrophytic Vegetation ¹ (Explain) 10. 100	4.				Hydrophytic Vegetation Indicators:
6. X 2 - Dominance Test is >50% 7. X 3 - Prevalence Index is ≤3.0 ¹ 8. 4 - Morphological Adaptations ¹ (Provide support data in Remarks or on a separate sheet) 9. Problematic Hydrophytic Vegetation ¹ (Explain) 10. 100	5				X 1 - Rapid Test for Hydrophytic Vegetation
7. X 3 - Prevalence Index is ≤3.0 ¹ 8. 4 - Morphological Adaptations ¹ (Provide support data in Remarks or on a separate sheet) 9. Problematic Hydrophytic Vegetation ¹ (Explain) 10. 100	6				X 2 - Dominance Test is >50%
8. 4 - Morphological Adaptations ¹ (Provide support data in Remarks or on a separate sheet) 9. 9. 10. 9. 10. 100 100 =Total Cover ¹ Indicators of hydric soil and wetland hydrology mus	7				X 3 - Prevalence Index is $\leq 3.0^{1}$
9. data in Remarks or on a separate sheet) 10.	0				4 - Morphological Adaptations ¹ (Provide supporting
10. Problematic Hydrophytic Vegetation ¹ (Explain) 100 =Total Cover ¹ Indicators of hydric soil and wetland hydrology mus	0				data in Remarks or on a separate sheet)
100 =Total Cover ¹ Indicators of hydric soil and wetland hydrology mus					Problematic Hydrophytic Vegetation ¹ (Explain)
indicators of hydric soil and wetland hydrology mus		100	=Total Cover		
<u>vvoody vine Stratum</u> (Piot size: 15) be present, unless disturbed or problematic.	Woody Vine Stratum (Plot size: 15				be present, unless disturbed or problematic.
1 Hydrophytic	1				Hydrophytic
2 Vegetation	2				
=Total Cover Present? Yes X No			=Total Cover		-

Remarks: (Include photo numbers here or on a separate sheet.)

The rapid test, dominance test, and prevalence index are met. The vegetation is hydrophytic at DP-WSJ-002-1.

Profile Desc	ription: (Describe	to the dept	th needed to doc	ument t	he indic	ator or o	confirm the absence	of indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-7	10YR 4/1	100					Mucky Sand	sandy silt loam
7-18	10YR 4/1	80	7.5YR 3/4	20	С	PL	Mucky Sand	sandy silt loam
	oncentration, D=Dep	letion, RM=	Reduced Matrix, I	MS=Mas	ked San	d Grains		: PL=Pore Lining, M=Matrix.
Hydric Soil I								rs for Problematic Hydric Soils ³ :
Histosol	. ,		Sandy Gle	•	• •			st Prairie Redox (A16)
	ipedon (A2)		Sandy Re					Manganese Masses (F12)
Black His			Stripped N		6)			Parent Material (F21)
	n Sulfide (A4)		Dark Surfa					Shallow Dark Surface (F22)
	Layers (A5)		Loamy Mu	•	• • •		Othe	r (Explain in Remarks)
2 cm Mu	()	(11)	Loamy Gle	-				
· · · ·	Below Dark Surface rk Surface (A12)	e (ATT)	Depleted I Redox Da		-		³ Indicato	rs of hydrophytic vegetation and
	ucky Mineral (S1)		Depleted I		. ,)		and hydrology must be present,
	cky Peat or Peat (S	3)	Redox De		``)		ss disturbed or problematic.
	_ayer (if observed):							
Type:	Layer (il Observeu).							
Depth (in	ches):						Hydric Soil Presen	t? Yes X No
Remarks:	/							· · · · · · · · · · · · · · · · · · ·
	dicator sandy mucky	/ mineral S ²	l is met. Soil is hv	dric at D	P-WSJ-	002-1		
		,						
HYDROLO	GY							
Wetland Hvo	drology Indicators:							
-	ators (minimum of c	one is requir	ed; check all that	apply)			Seconda	ry Indicators (minimum of two required)
	Water (A1)		Water-Sta		aves (B9))	Surfa	ace Soil Cracks (B6)
High Wa	ter Table (A2)		Aquatic Fa	auna (B1	3)		Drair	nage Patterns (B10)
Saturatio	n (A3)		True Aqua	tic Plant	ts (B14)		Dry-S	Season Water Table (C2)
Water Ma	arks (B1)		Hydrogen	Sulfide (Odor (C1)	Cray	fish Burrows (C8)
Sedimen	t Deposits (B2)		X Oxidized F	Rhizosph	eres on	Living R	oots (C3) Satu	ration Visible on Aerial Imagery (C9)
	osits (B3)		Presence			. ,		ted or Stressed Plants (D1)
	t or Crust (B4)		Recent Irc			illed Soi		morphic Position (D2)
	osits (B5)		Thin Muck		` '		X FAC	-Neutral Test (D5)
	on Visible on Aerial I				• •			
Sparsely	Vegetated Concave	e Surface (B	8)Other (Exp	plain in F	Remarks)		-	
Field Observ				_				
Surface Wate				Depth (i	· -			
Water Table				Depth (i			M/-41	
Saturation Pr		es	No <u>X</u>	Depth (i	ncnes):		Wetland Hydrolo	gy Present? Yes <u>X</u> No
(includes cap	corded Data (stream		nitoring well opric	Inhotoo	proview	e inener	tions) if available:	
Describe Rec	Joinen Data (Stream	yauye, 110	moning well, aeria	a priotos	, previou	s inspec	sions), ii available.	

Remarks:

One primary (oxidized rhizospheres on living roots) indicator and two secondary (the FAC-Neutral Test & Geomorphic Position) indicators of wetland hydrology are observed. There is wetland hydrology at DP-WSJ-002-1. The area consists of a depressional wetland adjacent to UNT 2 to Dry Run.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New W	estville to We	est Manches	ster		City/Co	ounty: Preble	Sampling Date:	6/13/2023		
Applicant/Owner:	AES						State:	ОН	Sampling Point:	DP-WSJ-002-2
Investigator(s): Stuar	t Jennings, A	Anna Stover		s	Section,	Township, Range:	13 9N	2E		
Landform (hillside, te	errace, etc.):	stream floo	dplain			Local relief (conca	ve, conv	ex, none)	concave	
Slope (%): 0-2	Lat: <u>39.88</u>	55511°ř			Long:	-84.6146359°j			Datum: NAD 83 OF	H.S
Soil Map Unit Name:	Sloan silt lo	am					11	VWI class	ification: NA	
Are climatic / hydrolo	gic conditior	is on the site	e typical	l for this time of yea	ar?	Yes No	Х	(If no, ex	plain in Remarks.)	
Are Vegetation Y	, Soil <u>N</u>	, or Hydrolo	gy <u>N</u>	significantly distu	rbed?	Are "Normal Circum	nstances	s" present	? Yes No	<u>х</u>
Are Vegetation N	, Soil <u>N</u>	, or Hydrolo	gy <u>N</u>	naturally problem	atic?	(If needed, explain	any ans	wers in Re	emarks.)	
SUMMARY OF I	FINDINGS	– Attach	site n	nap showing s	ampl	ing point location	ons, tr	ansect	s, important fea	tures, etc.
Hydrophytic Vegeta Hydric Soil Present Wetland Hydrology	?	? Yes X Yes X Yes X	1	No No No		ne Sampled Area nin a Wetland?	,	Yes <u>X</u>	No	

Remarks:

All Three wetland parameters are present at DP-WSJ-002-1. Hydrologic and climatologic data, over past 3 months, suggest drier than normal conditions at time of data collection. The wetland area consists of a utility right-of-way and is mowed & managed.

VEGETATION - Use scientific names of plants.

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30) % Cover	Species?	Status	Dominance Test worksheet:
1				Number of Dominant Species That
2				Are OBL, FACW, or FAC: 2 (A)
3				Total Number of Dominant Species
4				Across All Strata: 2 (B)
5				Percent of Dominant Species That
		=Total Cover		Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
Sapling/Shrub Stratum (Plot size:	15)			
1				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3				OBL species 45 x 1 =45
4				FACW species 0 x 2 = 0
5.				FAC species 45 x 3 = 135
		=Total Cover		FACU species 20 x 4 = 80
Herb Stratum (Plot size: 5)			UPL species 0 x 5 = 0
1. Acorus americanus	45	Yes	OBL	Column Totals: 110 (A) 260 (B)
2. Ambrosia trifida	35	Yes	FAC	Prevalence Index = B/A = 2.36
3. Glechoma hederacea	15	No	FACU	
4. Rumex crispus	5	No	FAC	Hydrophytic Vegetation Indicators:
5. Oenothera biennis	5	No	FACU	1 - Rapid Test for Hydrophytic Vegetation
6. Vernonia gigantea	5	No	FAC	X 2 - Dominance Test is >50%
7				X 3 - Prevalence Index is $\leq 3.0^{1}$
8.				4 - Morphological Adaptations ¹ (Provide supporting
9.				data in Remarks or on a separate sheet)
10.				Problematic Hydrophytic Vegetation ¹ (Explain)
	110	=Total Cover		¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size:	15)			be present, unless disturbed or problematic.
1				Hydrophytic
2				Vegetation
		=Total Cover		Present? Yes X No
Demonstrative (Include whethe numbers have an en				

Remarks: (Include photo numbers here or on a separate sheet.)

The dominance test and prevalence index are met. The vegetation is hydrophytic at DP-WSJ-002-2.

		to the dept				ator or	confirm the absend	e of indicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	ox Featur %	res Type ¹	Loc ²	Texture	Remarks
0-10	10YR 3/1				Турс	200		
		100					Loamy/Clayey	clay loam
10-18	10YR 4/1	95	10YR 3/6	5	<u> </u>	PL	Loamy/Clayey	clay loam
¹ Type: C=Co	ncentration, D=Dep	letion RM=	Reduced Matrix	MS=Mas	ked San	Grains		on: PL=Pore Lining, M=Matrix.
Hydric Soil I				MO Mas				tors for Problematic Hydric Soils ³ :
Histosol (Sandy Gl	eved Mat	rix (S4)			past Prairie Redox (A16)
	pedon (A2)		Sandy Re					n-Manganese Masses (F12)
Black His			Stripped					ed Parent Material (F21)
	n Sulfide (A4)		Dark Surf					ry Shallow Dark Surface (F22)
	Layers (A5)		Loamy M					her (Explain in Remarks)
2 cm Muo			Loamy G	-				, , , , , , , , , , , , , , , , , , ,
	Below Dark Surface	e (A11)	X Depleted	-				
Thick Da	rk Surface (A12)		Redox Da	ark Surfac	ce (F6)		³ Indica	tors of hydrophytic vegetation and
Sandy M	ucky Mineral (S1)		Depleted	Dark Sur	face (F7)	we	tland hydrology must be present,
5 cm Muo	cky Peat or Peat (S	3)	Redox De	epression	s (F8)		un	less disturbed or problematic.
Type: Depth (in Remarks: Hydric soil ind		low dark su	rface A11 and de	epleted m	atrix F3 a	are met.	Hydric Soil Prese	
HYDROLO								
-	Irology Indicators:			• • • • • • • • •			0	den de la den de la companya de la c
-	<u>ators (minimum of c</u> Vater (A1)	one is requir	Water-Sta					dary Indicators (minimum of two required) rface Soil Cracks (B6)
	er Table (A2)		Aquatic F					ainage Patterns (B10)
Saturation	. ,		True Aqu	-	-			y-Season Water Table (C2)
Water Ma	()		Hydrogen		· · /)		ayfish Burrows (C8)
	t Deposits (B2)		X Oxidized					turation Visible on Aerial Imagery (C9)
Drift Depo			Presence			-		unted or Stressed Plants (D1)
Algal Mat	or Crust (B4)		Recent In	on Reduc	tion in T	lled Soi	ls (C6) X Ge	eomorphic Position (D2)
Iron Depo	osits (B5)		Thin Muc	k Surface	e (C7)		X FA	C-Neutral Test (D5)
Inundatio	n Visible on Aerial I	magery (B7)Gauge or	Well Dat	ta (D9)			
Sparsely	Vegetated Concave	Surface (B	8)Other (Ex	cplain in F	Remarks)			
Field Observ	vations:							
Surface Wate			No <u>X</u>		nches):			
Water Table		s	No <u>X</u>		nches):			
Saturation Pr		S	No <u>X</u>	Depth (i	nches):		Wetland Hydro	logy Present? Yes X No
(includes cap							<u> </u>	
Describe Rec	orded Data (stream	gauge, mo	nitoring well, aeri	al photos	, previou	s inspec	ctions), if available:	

Remarks:

One primary (oxidized rhizospheres on living roots) indicator and three secondary (the FAC-Neutral Test, Geomorphic Position, and Crayfish Burrows) indicators of wetland hydrology are observed. There is wetland hydrology at DP-WSJ-002-2. The area consists of a depressional PEM wetland adjacent to UNT 2 to Dry Run.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New Westville to West Manchester	City/County: Preble Sampling Date: 6/13/2023
Applicant/Owner: AES	State: OH Sampling Point: DP-UPL-WSJ-002-1
Investigator(s): Stuart Jennings, Hannah Saxena	Section, Township, Range: 13 9N 2E
Landform (hillside, terrace, etc.): toe slope	Local relief (concave, convex, none): concave
Slope (%): 0-2 Lat: <u>39.88</u> 51647° [*]	Long: -84.6147809° Datum: NAD 83 OH.S
Soil Map Unit Name: <u>Sloan silt loam</u>	NWI classification: NA
Are climatic / hydrologic conditions on the site typical for this time of y	ear? Yes No X (If no, explain in Remarks.)
Are Vegetation Y , Soil N , or Hydrology N significantly dist	urbed? Are "Normal Circumstances" present? Yes No X
Are Vegetation N, Soil N, or Hydrology N naturally problem	natic? (If needed, explain any answers in Remarks.)
	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X Hydric Soil Present? Yes No X Wetland Hydrology Present? Yes X No	Is the Sampled Area within a Wetland? Yes <u>No X</u>
Remarks: Aside from Hydrology, Wetland parameters are not Present at DP-UF drier than normal conditions at time of data collection. Area is part of	PL-WSJ-002-1. Hydrologic and climatologic data, over past 3 months, suggest a Utility Corridor; Vegetation is mowed and Managed.
VEGETATION – Use scientific names of plants.	
Tree Stratum (Plot size: 30) % Cover S	ominant Indicator pecies? Status Dominance Test worksheet:
1	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
3	Total Number of Dominant Species Across All Strata: 1 (B)
5=To	Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0%
Sapling/Shrub Stratum (Plot size: 15)	Prevalence Index worksheet:
2.	Total % Cover of: Multiply by:

2				Are OBL, FACW, or FAC:	0	(A)
3. 4.				Total Number of Dominant Species Across All Strata:	1	(B)
5		=Total Cover		Percent of Dominant Species That Are OBL, FACW, or FAC:	0.0%	(A/B)
1				Prevalence Index worksheet:		
2.					ultiply by:	
3				$\frac{1}{OBL \text{ species}} 0 \qquad x \text{ 1} =$	0	-
4				FACW species 0 x 2 =	0	-
5				FAC species 5 x 3 =	15	-
·		=Total Cover		FACU species 65 x 4 =	260	-
Herb Stratum (Plot size: 5)		_		UPL species 0 x 5 =	0	-
1. Bromus inermis	50	Yes	FACU	Column Totals: 70 (A)	275	(B)
2. Glechoma hederacea	10	No	FACU	Prevalence Index = B/A =	3.93	
3. Ambrosia artemisiifolia	5	No	FACU			
4. Rumex crispus	5	No	FAC	Hydrophytic Vegetation Indicators	5:	
5				1 - Rapid Test for Hydrophytic V	egetation	
6				2 - Dominance Test is >50%		
7				3 - Prevalence Index is ≤3.0 ¹		
8				4 - Morphological Adaptations ¹		
9				data in Remarks or on a sepa		
10				Problematic Hydrophytic Vegeta	ation ¹ (Expla	ain)
Woody Vine Stratum (Plot size:)	70	_=Total Cover		¹ Indicators of hydric soil and wetland be present, unless disturbed or prob		must
1				Hydrophytic		
2				Vegetation		
		=Total Cover		Present? Yes No	Х	

Remarks: (Include photo numbers here or on a separate sheet.)

The dominance test and prevalence index are met. The vegetation is mowed The vegetation is hydrophytic at DP-UPL-WSJ-002-1.

Depth		•	in needed to doc	ument t		itor or co	onfirm the absence o	of indicators.)	
•	Matrix			x Featur	1	2			
inches)	Color (moist)	%	Color (moist)	%	Type'	Loc ²	Texture	Remarks	
0-14	10YR 3/1	100		Loamy/Clayey cla	clay loam				
14-18	10YR 4/1	98	10YR 3/6	2	<u> </u>	PL	Loamy/Clayey	clay loam	
Type: C=Co	oncentration, D=Dep	letion, RM	Reduced Matrix, N	//S=Mas	ked Sanc	Grains.	² Location:	PL=Pore Lining, M=Matrix.	
lydric Soil	Indicators:						Indicators	s for Problematic Hydric Soils ³ :	
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)		Coast	t Prairie Redox (A16)	
Histic Ep	oipedon (A2)		Sandy Re	dox (S5)			Iron-N	<i>l</i> langanese Masses (F12)	
Black His	stic (A3)		Stripped N	latrix (Se	3)		Red F	Parent Material (F21)	
Hydroge	n Sulfide (A4)		Dark Surfa	ace (S7)			Very Shallow Dark Surface (F22)		
Stratified	d Layers (A5)		Loamy Mu	cky Min	eral (F1)		Other	(Explain in Remarks)	
2 cm Mu	ıck (A10)		Loamy Gle	eyed Ma	trix (F2)				
Depleted	d Below Dark Surface	e (A11)	Depleted I	Matrix (F	3)				
	ark Surface (A12)	. ,	Redox Da	-	-		³ Indicators	s of hydrophytic vegetation and	
Sandy M	lucky Mineral (S1)		Depleted [Dark Sur	face (F7)		wetland hydrology must be present,		
	icky Peat or Peat (S3	3)	Redox De		. ,			s disturbed or problematic.	
	Layer (if observed):				· ,			·	
Type:	Layer (il observeu).								
	nchoc):						Hydric Soil Prosent	2 Yas No	
Depth (ir	iciles).						Hydric Soil Present	? Yes No	
Remarks:	il indicators are met.	The soil is	not hydric at DP-U	JPL-WS	J-002-1.				
No hydirc so									
IYDROLO									
YDROLO Wetland Hyd	drology Indicators:		radi abaali all that				Sacarda	u Indiantara (minimum of tua	
YDROLO Vetland Hyd Primary India	drology Indicators: cators (minimum of c	ne is requi						y Indicators (minimum of two requir	
YDROLO Vetland Hyd Primary India Surface	drology Indicators: <u>cators (minimum of c</u> Water (A1)	ne is requi	Water-Sta	ined Lea	· · /		Surfa	ce Soil Cracks (B6)	
YDROLO Vetland Hyd Primary India Surface ' High Wa	drology Indicators: cators (minimum of c Water (A1) ater Table (A2)	ne is requi	Water-Sta Aquatic Fa	ined Lea auna (B1	3)		Surfa	ce Soil Cracks (B6) age Patterns (B10)	
YDROLO Vetland Hyd Primary India Surface High Wa Saturatic	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3)	ne is requi	Water-Sta Aquatic Fa True Aqua	ined Lea auna (B1 itic Plant	3) s (B14)		Surfa Draina Dry-S	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2)	
Primary India Surface High Wa Saturatic Water M	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3) larks (B1)	ne is requi	Water-Sta Aquatic Fa True Aqua Hydrogen	ined Lea auna (B1 tic Plant Sulfide (3) s (B14) Ddor (C1)		Surfa Drain: Dry-S Crayfi	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) ish Burrows (C8)	
Primary India Surface High Wa Saturatic Water M Sedimen	drology Indicators: cators (minimum of o Water (A1) ater Table (A2) on (A3)	ne is requi	Water-Sta Aquatic Fa True Aqua	ined Lea auna (B1 tic Plant Sulfide (Rhizosph	3) s (B14) Ddor (C1) eres on L	iving Ro	Surfa Drain: Dry-S Crayfi ots (C3)	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2)	

Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils ((C6) X Geomorphic Position (D2)						
Iron Deposits (B5)	Thin Muck Surface (C7)	FAC-Neutral Test (D5)						
Inundation Visible on Aerial Imagery (B7) Gauge or Well Data (D9)								
Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks)								
Field Observations:								
Surface Water Present? Yes	No X Depth (inches):							
Water Table Present? Yes	No X Depth (inches):							
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present? Yes X No						
(includes capillary fringe)								
Describe Recorded Data (stream gauge, monited	oring well, aerial photos, previous inspectio	ons), if available:						

Remarks:

One primary (oxidized rhizospheres on living roots) and one secondary (geomorphic position) indicator of wetland hydrology are observed. There is wetland hydrology at DP-UPL-WSJ-002-1.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New Westville to West Manchester	City/County: Preble		Sampling Date:	6/13/2023
Applicant/Owner: AES		State: OH	Sampling Point:	DP-UPL-WSJ-002-2
Investigator(s): Stuart Jennings, Anna Stover	Section, Township, Rar	nge: 13 9N 2E		
Landform (hillside, terrace, etc.): terrace	Local relief (co	oncave, convex, none):	none	
Slope (%): 0-2 Lat: <u>39.8853124</u> °ř	Long: -84.6147566°		Datum: NAD 83 O	H.S
Soil Map Unit Name: Sloan silt loam		NWI classi	fication: NA	
Are climatic / hydrologic conditions on the site typical for this time of ye	ar? Yes	No X (If no, ex	plain in Remarks.)	
Are Vegetation Y , Soil N , or Hydrology N significantly distu	urbed? Are "Normal C	ircumstances" present	Yes N	o X
Are Vegetation N , Soil N , or Hydrology N naturally problen	natic? (If needed, exp	plain any answers in Re	emarks.)	
SUMMARY OF FINDINGS – Attach site map showing	sampling point lo	cations, transects	, important fea	atures, etc.
Hydrophytic Vegetation Present? Yes No X Hydric Soil Present? Yes X No	Is the Sampled Ard within a Wetland?		No <u>X</u>	
Remarks: All three parameters required for a wetland are not Present at DP-UPI drier than normal conditions at time of data collection. Area is part of a	, ,	•		ıs, suggest
VEGETATION – Use scientific names of plants.				
Tree Stratum (Plot size: 30) % Cover S	ominant Indicator pecies? Status	Dominance Test wo	rksheet:	
1.		Number of Dominant Are OBL, FACW, or F		<u>2</u> (A)
3		Total Number of Dom Across All Strata:	inant Species	4 (B)
5	tal Cover	Percent of Dominant Are OBL, FACW, or I		0.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15)				
1		Prevalence Index w		
2		Total % Cover o	f Multiply	/ by:

2				Are OBL, FACW, or FAC:	2	(A)
3. 4.				Total Number of Dominant Species Across All Strata:	4	(B)
5 Sapling/Shrub Stratum (Plot size: 15)		=Total Cover		Percent of Dominant Species That Are OBL, FACW, or FAC:	50.0%	_(A/B)
,				Prevalence Index worksheet:		
···					ultiply by:	
2				OBL species 15 $x 1 =$		_
				FACW species 15 $x 2 =$		-
4				FAC species $15 \times 3 =$	45	-
		=Total Cover		FACU species 60 x 4 =	240	-
Herb Stratum (Plot size: 5)		_		UPL species 10 x 5 =	50	-
1. Bromus inermis	30	Yes	FACU	Column Totals: 115 (A)	380	(B)
2. Glechoma hederacea	25	Yes	FACU	Prevalence Index = B/A =	3.30	
3. Rumex crispus	15	Yes	FAC			_
4. Carex grayi	15	Yes	FACW	Hydrophytic Vegetation Indicator	s:	
5. Carex hirtifolia	10	No	UPL	1 - Rapid Test for Hydrophytic	Vegetation	
6. Leersia oryzoide	10	No	OBL	2 - Dominance Test is >50%		
7. Lycopus americanus	5	No	OBL	3 - Prevalence Index is ≤3.0 ¹		
8. Ambrosia artemisiifolia	5	No	FACU	4 - Morphological Adaptations ¹		
9.				data in Remarks or on a sep	arate sheet))
10				Problematic Hydrophytic Veget	ation ¹ (Expl	ain)
Woody Vine Stratum (Plot size: 15)	115	=Total Cover		¹ Indicators of hydric soil and wetlan be present, unless disturbed or prot		must
1				Hydrophytic		
2.				Vegetation		
		=Total Cover		-	<u> </u>	

Remarks: (Include photo numbers here or on a separate sheet.)

No hydrophytic vegetation indicators are met. The vegetation is not hydrophytic at DP-UPL-WSJ-002-2.

Depth	Matrix		Read	ox Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-9	10YR 4/1	100					Loamy/Clayey	
9-18	10YR 4/1	80	7.5YR 3/4	20		PL	Loamy/Clayey	clay loam
		· ·		·				
¹ Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, I	MS=Mas	ked Sand	Grains		PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:							s for Problematic Hydric Soils ³ :
Histosol	()	Sandy Gle	-				Prairie Redox (A16)	
	pipedon (A2)		Sandy Re					langanese Masses (F12)
Black Hi			Stripped N		5)			Parent Material (F21)
	n Sulfide (A4)		Dark Surfa	. ,				Shallow Dark Surface (F22)
	l Layers (A5)		Loamy Mu	-			Other	(Explain in Remarks)
	ick (A10)		Loamy Gl	•	. ,			
	d Below Dark Surface	e (A11)	X Depleted		,		3	
	ark Surface (A12)		Redox Da		• •			s of hydrophytic vegetation and
Sandy Mucky Mineral (S1)Depleted Dark Surface (F7) 5 cm Mucky Peat or Peat (S3) Redox Depressions (F8)								nd hydrology must be present,
	pression	s (F8)		unies	s disturbed or problematic.			
	Layer (if observed):							
Туре:								
Depth (ir	nches):						Hydric Soil Present	? Yes <u>X</u> No
	ndicator depleted mat		let. Soli is flydric a	. DI -01 L)Z-Z.		
Wetland Hy	drology Indicators:							
Wetland Hy Primary Indi	drology Indicators: cators (minimum of c	ne is requi						y Indicators (minimum of two requ
Wetland Hy Primary Indi Surface	drology Indicators: <u>cators (minimum of c</u> Water (A1)	ne is requi	Water-Sta	ained Lea			Surfa	ce Soil Cracks (B6)
Wetland Hy Primary India Surface High Wa	drology Indicators: cators (minimum of c Water (A1) tter Table (A2)	ne is requi	Water-Sta	ained Lea auna (B1	3)		Surfa Drain	ce Soil Cracks (B6) age Patterns (B10)
Wetland Hy Primary Indi Surface High Wa	drology Indicators: cators (minimum of c Water (A1) tter Table (A2) on (A3)	ne is requi	Water-Sta Aquatic Fa True Aqua	ained Lea auna (B1 atic Plant	3) s (B14)		Surfa Draina Dry-S	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2)
Wetland Hy Primary India Surface High Wa Saturatio Water M	drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1)	ne is requi	Water-Sta Aquatic Fa True Aqua Hydrogen	ained Lea auna (B1 atic Planta Sulfide C	3) s (B14) Ddor (C1)		Surfa Drain: Dry-S Crayfi	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8)
Wetland Hy Primary India Surface High Wa Saturatia Water M Sedimer	drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2)	<u>ne is requ</u>	Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F	ained Lea auna (B1 atic Planta Sulfide (Rhizosph	3) s (B14) Ddor (C1) eres on L	iving R	Oots (C3)	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (CS
Wetland Hy Primary India Surface High Wa Saturatia Water M Sedimer Drift Dep	drology Indicators: cators (minimum of c Water (A1) hter Table (A2) on (A3) larks (B1) ht Deposits (B2) posits (B3)	one is requ	Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence	ained Lea auna (B1 atic Plant Sulfide C Rhizosph of Reduc	3) s (B14) Odor (C1) eres on L ced Iron (iving R C4)	Surfai Drain: Dry-S Crayfi Satur: Sturt	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (CS ed or Stressed Plants (D1)
Wetland Hy Primary Indie Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma	drology Indicators: cators (minimum of c Water (A1) tter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)	ne is requ	Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro	ained Lea auna (B1 atic Plant Sulfide C Rhizosph of Reduc	3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti	iving R C4)	oots (C3) Surfain Drain Crayfi Sturte Sturte Sturte Sturte Sturte	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (CS ed or Stressed Plants (D1) torphic Position (D2)
Wetland Hy Primary Indi Surface High Wa Saturatic Water M Sedimer Drift Dep Algal Ma Iron Dep	drology Indicators: cators (minimum of c Water (A1) hter Table (A2) on (A3) larks (B1) ht Deposits (B2) posits (B3)		Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck	ained Lea auna (B1 atic Planta Sulfide C Rhizosph of Reduc con Reduc c Surface	3) s (B14) Ddor (C1) eres on L ced Iron (tion in Ti e (C7)	iving R C4)	oots (C3) Surfain Drain Crayfi Sturte Sturte Sturte Sturte Sturte	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (CS ed or Stressed Plants (D1)
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio	drology Indicators: cators (minimum of c Water (A1) tter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	magery (B	Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Irc Thin Muck 7) Gauge or	ained Lea auna (B1 atic Plants Sulfide (Rhizosph of Reduc on Reduc Surface Well Dat	3) s (B14) Ddor (C1) eres on L ced Iron (titon in Ti e (C7) a (D9)	iving R C4)	oots (C3) Surfain Drain Crayfi Sturte Sturte Sturte Sturte Sturte	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (CS ed or Stressed Plants (D1) torphic Position (D2)
Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio	drology Indicators: cators (minimum of c Water (A1) ther Table (A2) on (A3) larks (B1) ht Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial In v Vegetated Concave	magery (B	Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Irc Thin Muck 7) Gauge or	ained Lea auna (B1 atic Plants Sulfide (Rhizosph of Reduc on Reduc Surface Well Dat	3) s (B14) Ddor (C1) eres on L ced Iron (titon in Ti e (C7) a (D9)	iving R C4)	oots (C3) Surfain Drain Crayfi Sturte Sturte Sturte Sturte Sturte	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (CS ed or Stressed Plants (D1) torphic Position (D2)
Wetland Hy Primary India Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely Field Obser	drology Indicators: cators (minimum of c Water (A1) tter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial In v Vegetated Concave	magery (B 9 Surface (I	Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Irc Thin Muck 7) Gauge or	ained Lea auna (B1 atic Plants Sulfide (Rhizosph of Reduc on Reduc Surface Well Dat	3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti c(C7) a (D9) Remarks)	iving R C4)	oots (C3) Surfain Drain Crayfi Sturte Sturte Sturte Sturte Sturte	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (CS ed or Stressed Plants (D1) torphic Position (D2)
Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely Field Obser	drology Indicators: cators (minimum of c Water (A1) ther Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial In v Vegetated Concave vations: ther Present? Ye	magery (B s Surface (I	Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Irc Thin Muck 7) Gauge or B8) Other (Exp	ained Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc on Reduc Surface Well Dat plain in R	3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti c(C7) a (D9) Remarks)	iving R C4) Iled Soil	oots (C3) Surfain Drain Crayfi Sturte Sturte Sturte Sturte Sturte	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (CS ed or Stressed Plants (D1) torphic Position (D2)
Wetland Hy Primary India Surface High Wa Saturatia Vater M Sedimer Drift Dep Algal Ma Iron Dep Inundatia Sparsely	drology Indicators: cators (minimum of c Water (A1) ter Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial In v Vegetated Concave vations: rer Present? Ye Present? Ye	magery (B Surface (I ss	Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Irc Thin Muck 7) Gauge or B8) Other (Exp	ained Lea auna (B1 atic Plant: Sulfide C Rhizosph of Reduc c Surface Well Dat plain in R Depth (ii Depth (ii	3) s (B14) Ddor (C1) eres on L ced Iron (tion in Ti (C7) a (D9) Remarks) nches): _	iving R C4) Iled Soil	oots (C3) Surfain Drain Crayfi Sturte Sturte Sturte Sturte Sturte	ce Soil Cracks (B6) age Patterns (B10) eason Water Table (C2) sh Burrows (C8) ation Visible on Aerial Imagery (C9 ed or Stressed Plants (D1) norphic Position (D2) Neutral Test (D5)

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

One primary (oxidized rhizospheres on living roots) indicator of wetland hydrology are observed. There is wetland hydrology at DP-UPL-WSJ-002-2.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New We	estville to West	Mancheste	r		City/Co	ounty: Preble			Sampling Date:	6/13/2023
Applicant/Owner:	AES						State:	ОН	Sampling Point:	DP-UPL-WSJ-002-3
Investigator(s): Stuar	t Jennings, Anr	na Stover			Section	, Township, Range	13 9N	2E		
Landform (hillside, te	errace, etc.): <u>Te</u>	rrace				Local relief (conc	ave, conv	/ex, none)	none	
Slope (%): 0-2	Lat: <u>39.8856</u>	549°ř			Long:	-84.6147013°ř			Datum: NAD 83 O	H.S
Soil Map Unit Name:	Sloan silt loam	l						NWI class	ification: NA	
Are climatic / hydrolo	gic conditions	on the site t	ypical fo	or this time o	f year?	Yes N	0 X	(If no, ex	plain in Remarks.)	
Are Vegetation Y	, Soil <u>N</u> , o	r Hydrology	N s	ignificantly c	listurbed?	Are "Normal Circu	mstance	s" present	? Yes No	o X
Are Vegetation N	, Soil N , c	r Hydrology	N n	aturally prob	lematic?	(If needed, explain	n any ans	wers in Re	emarks.)	
SUMMARY OF F	INDINGS -	Attach s	ite ma	ap showin	ıg sampl	ing point locat	ions, ti	ransects	s, important fea	itures, etc.
Hydrophytic Vegeta Hydric Soil Present Wetland Hydrology	?	Yes Yes Yes X	No	X		ne Sampled Area nin a Wetland?		Yes	No <u>X</u>	
Remarks: All three parameters drier than normal co	•					, ,		0	<i>'</i>	ns, suggest
VEGETATION -	Use scientif	ic names	of pla	nts.						
<u>Tree Stratum</u> 1.	(Plot size:	30)	Absolute % Cover	Dominant Species?	Status D		e Test wo	rksheet: Species That	

Iree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:	
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:	<u>1</u> (A)
3. 4.				Total Number of Dominant Species Across All Strata:	4 (B)
5		=Total Cover		Percent of Dominant Species That Are OBL, FACW, or FAC:	<u>25.0%</u> (A/B)
Sapling/Shrub Stratum (Plot size: 15)				-	
1				Prevalence Index worksheet:	
2					bly by:
3				OBL species x 1 =	0
4				FACW species 0 x 2 =	0
5				FAC species x 3 =	120
<u> </u>		=Total Cover		FACU species 95 x 4 =	380
Herb Stratum (Plot size: 5)				UPL species 0 x 5 =	0
1. Poa pratensis	35	Yes	FAC	Column Totals: 135 (A)	500 (B)
2. Glechoma hederacea	30	Yes	FACU	Prevalence Index = B/A = 3.	70
3. Lolium perenne	25	Yes	FACU		
4. Taraxacum officinale	15	No	FACU	Hydrophytic Vegetation Indicators:	
5. Trifolium repens	10	No	FACU	1 - Rapid Test for Hydrophytic Veg	etation
6. Rumex crispus	5	No	FAC	2 - Dominance Test is >50%	
7. Cirsium arvense	5	No	FACU	3 - Prevalence Index is ≤3.0 ¹	
8.				4 - Morphological Adaptations ¹ (Pro	ovide supporting
9.				data in Remarks or on a separat	te sheet)
10.				Problematic Hydrophytic Vegetatio	n ¹ (Explain)
	125	=Total Cover			,
Woody Vine Stratum (Plot size: 30)	120	-		¹ Indicators of hydric soil and wetland hy be present, unless disturbed or problem	
1. Parthenocissus quinquefolia	10	Yes	FACU	Hydrophytic	
2				Vegetation	
	10	=Total Cover		Present? Yes No	<u>×</u>

Remarks: (Include photo numbers here or on a separate sheet.)

No hydrophytic vegetation indicators are met. The vegetation is not hydrophytic at DP-UPL-WSJ-002-3.

SOIL

Profile Dese Depth	cription: (Describe Matrix	to the dep		cument t ox Featur		ator or (confirm the a	bsence of ind	dicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture Remark			
<u>(inclics)</u> 0-6	10YR 3/1	100		70	1900		Loamy/C	Remains		
6-12	10YR 4/3	60	10YR 5/4	40	RM	М	Loamy/C			
							-			
12-18	10YR 5/6	70	10YR 6/4	30	D	M	Loamy/C	layey		
	·									
¹ Type: C=C	Concentration, D=Dep	letion, RM	=Reduced Matrix,	MS=Mas	ked San	d Grains		2Location: PL	=Pore Lining, M=Matrix.	
Hydric Soil		<u> </u>	·						Problematic Hydric So	ils ³ :
Histosol (A1) Sandy Gleyed Matrix (S4)							_	Coast Pra	irie Redox (A16)	
Histic Ep	pipedon (A2)		Sandy Re	dox (S5)	1			Iron-Mang	anese Masses (F12)	
Black Hi	listic (A3)		Stripped N	Matrix (Se	6)			Red Parer	nt Material (F21)	
Hydroge	en Sulfide (A4)		Dark Surf	ace (S7)			Very Shallow Dark Surface (F22)			
Stratified	d Layers (A5)		Loamy Mu	ucky Mine	eral (F1)			Other (Exp	olain in Remarks)	
2 cm Mu	uck (A10)		Loamy Gl	eyed Mat	trix (F2)		_			
Depleted	d Below Dark Surface	∋ (A11)	Depleted	Matrix (F	3)					
Thick Da	ark Surface (A12)		Redox Da	ark Surfac	ce (F6)		:	Indicators of l	nydrophytic vegetation an	ıd
Sandy M	Mucky Mineral (S1)		Depleted	Dark Sur	face (F7))	wetland hydrology must be present,			
5 cm Mu	ucky Peat or Peat (S3	3)	Redox De	pression	s (F8)		unless disturbed or problematic.			
Restrictive	Layer (if observed):									
Type:										
Depth (ii	nches):						Hydric Soi	Present?	Yes	No_X
Remarks: No hydric sc	oil indicators are met.	Soil is not	∶hydric at DP-UPL	-WSJ-00	2-3.					
HYDROLC										
Wetland Hy	drology Indicators:									
	icators (minimum of c	one is reau	ired; check all that					-	licators (minimum of two	required)
	· · · ·								ail Craaka (PG)	
Surface	Water (A1)		Water-Sta		()		-		oil Cracks (B6)	
Surface High Wa	Water (A1) ater Table (A2)		Aquatic F	auna (B1	3)		-	Drainage	Patterns (B10)	
Surface High Wa	Water (A1) ater Table (A2) ion (A3)		Aquatic F	auna (B1 atic Plant	l3) ts (B14)		-	Drainage Dry-Seaso	Patterns (B10) on Water Table (C2)	
Surface High Wa Saturatio Water M	Water (A1) ater Table (A2) ion (A3) ⁄Iarks (B1)		Aquatic F True Aqua Hydrogen	auna (B1 atic Plant Sulfide (l3) ts (B14) Odor (C1)	- - -	Drainage Dry-Seaso Crayfish B	Patterns (B10) on Water Table (C2) Burrows (C8)	(00)
Surface High Wa Saturatio Water M Sedimer	Water (A1) ater Table (A2) ion (A3) Marks (B1) nt Deposits (B2)		Aquatic F True Aqua Hydrogen Oxidized I	auna (B1 atic Plant Sulfide (Rhizosph	l3) ts (B14) Odor (C1 neres on l) Living R	- coots (C3)	Drainage Dry-Seaso Crayfish B Saturation	Patterns (B10) on Water Table (C2) Burrows (C8) I Visible on Aerial Imager	у (С9)
Surface High Wa Saturatio Water M Sedimer Drift Dep	Water (A1) ater Table (A2) ion (A3) ⁄Iarks (B1)		Aquatic F True Aqua Hydrogen	auna (B1 atic Plant Sulfide (Rhizosph of Reduc	I3) ts (B14) Odor (C1 neres on I ced Iron () Living R (C4)	. , _	Drainage Dry-Seaso Crayfish B Saturation Stunted o	Patterns (B10) on Water Table (C2) Burrows (C8)	у (С9)

Algal Mat Of Clust (B4)		Recent	ITON Reduction in Thied S				
Iron Deposits (B5)		Thin Mu	ick Surface (C7)	FAC-Neutral Test (D5)			
Inundation Visible on A	erial Imagery (E	7) Gauge	or Well Data (D9)				
Sparsely Vegetated Co	ncave Surface (B8) Other (E	Explain in Remarks)				
Field Observations:							
Surface Water Present?	Yes	No <u>X</u>	Depth (inches):				
Water Table Present?	Yes	No X	Depth (inches):				
Saturation Present?	Yes	No X	Depth (inches):	Wetland Hydrology Present? Yes X No			
(includes capillary fringe)				-			
Describe Recorded Data (s	tream gauge, m	onitoring well, ae	erial photos, previous insp	ections), if available:			
Remarks:							
One primary (presence of r	educed iron) inc	licator of wetland	hydrology are observed.	There is wetland hydrology at DP-UPL-WSJ-002-3.			

ENG FORM 6116-7, JUL 2018

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New W	estville to Wes	Project/Site: New Westville to West Manchester					City/County: Preble				
Applicant/Owner:	AES					State:	OH	Sampling Point:	DP-WSJ-003		
Investigator(s): Stuar	t Jennings, An	na Stover		Section.	, Township, Range:	31 9N 2	2E				
Landform (hillside, te	errace, etc.): <u>T</u>	oe of slope			Local relief (conca	ive, conv	ex, none)	: concave			
Slope (%): 2-6	Lat: <u>39.8345</u>	j204°ř		Long:	: -84.6972010°ř			Datum: NAD 83 OI	H.S		
Soil Map Unit Name:	Miamian-Celir	na silt loams &	Kokomo Silt Loam			۱	VWI class	ification: N/A			
Are climatic / hydrolo	gic conditions	on the site typi	cal for this time of	year?	Yes <u>X</u> No	D	(If no, ex	plain in Remarks.)			
Are Vegetation N	, Soil <u>N</u> , (or Hydrology	N significantly dis	sturbed?	Are "Normal Circur	nstances	" present	? Yes No	o <u>X</u>		
Are Vegetation N	, Soil <u>N</u> , (or Hydrology	N naturally proble	ematic?	(If needed, explain	any ans	wers in Re	emarks.)			
SUMMARY OF I	FINDINGS -	- Attach site	∍ map showing	j sampli	ing point locati	ons, tr	ansects	s, important fea	tures, etc.		
Hydrophytic Vegeta		Yes X	No No		he Sampled Area hin a Wetland?			No			
Hydric Soil Present Wetland Hydrology		Yes <u>X</u> Yes X	No	with		1	Yes <u>X</u>	No			

Remarks:

All Three wetland parameters are present at DP-WSJ-003; this area consists of a wetland. Hydrologic and climatologic data, over past 3 months, suggest drier than normal conditions at time of data collection. Adjacent toe-of-slope to highway overpass.

VEGETATION - Use scientific names of plants.

12345Sapling/Shrub Stratum(Plot size: 15 ft)12345345679123455945		Absolute	Dominant	Indicator	
2. Are OBL, FACW, or FAC: 1 (A) 3.	Tree Stratum (Plot size: 30 ft)	% Cover	Species?	Status	Dominance Test worksheet:
3.	1				Number of Dominant Species That
4.	2				Are OBL, FACW, or FAC: 1 (A)
4.	3				Total Number of Dominant Species
	4				
Sapling/Shrub Stratum (Plot size: 15 ft) 1.	5				Percent of Dominant Species That
1.			=Total Cover		Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)
2.	Sapling/Shrub Stratum (Plot size: 15 ft)				
2. Total % Cover of: Multiply by: 3.	1				Prevalence Index worksheet:
4.	2				Total % Cover of: Multiply by:
5.	3				OBL species 95 x 1 = 95
5.	4				FACW species 35 x 2 = 70
Herb Stratum(Plot size: 5 ft)=FACU species $0 \times 4 = 0$ 1.Leersia oryzoides75YesOBL2.Bidens frondosa20NoFACW3.Scirpus atrovirens10NoOBL4.Ludwigia alternifolia10NoOBL5.Cornus amonum10NoFACW6.Agrostis gigantea5NoFACW79101010101010111213.0=Total Cover11211	5				
1. Leersia oryzoides 75 Yes OBL Column Totals: 130 (A) 165 (B) 2. Bidens frondosa 20 No FACW Prevalence Index = $B/A = 1.27$ Prevalence Index = $B/A = 1.27$ 3. Scirpus atrovirens 10 No OBL Prevalence Index = $B/A = 1.27$ 4. Ludwigia alternifolia 10 No OBL Prevalence Index = $B/A = 1.27$ 5. Cornus amonum 10 No FACW Prevalence Index is 3.0^{1} 6. Agrostis gigantea 5 No FACW X 2 - Dominance Test is >50% 7.			=Total Cover		FACU species 0 x 4 = 0
2. Bidens frondosa 20 No FACW Prevalence Index = B/A = 1.27 3. Scirpus atrovirens 10 No OBL Hydrophytic Vegetation Indicators: 4. Ludwigia alternifolia 10 No OBL Hydrophytic Vegetation Indicators: 5. Cornus amonum 10 No FACW X 2 - Dominance Test is >50% 7.	Herb Stratum (Plot size: 5 ft)				UPL species 0 x 5 = 0
3. Scirpus atrovirens 10 No OBL 4. Ludwigia alternifolia 10 No OBL 5. Cornus amonum 10 No FACW 6. Agrostis gigantea 5 No FACW 7.	1. Leersia oryzoides	75	Yes	OBL	Column Totals: 130 (A) 165 (B)
4. Ludwigia alternifolia 10 No OBL Hydrophytic Vegetation Indicators: 5. Cornus amomum 10 No FACW 1 - Rapid Test for Hydrophytic Vegetation 6. Agrostis gigantea 5 No FACW X 2 - Dominance Test is >50% 7.	2. Bidens frondosa	20	No	FACW	Prevalence Index = B/A = 1.27
5. Cornus amomum 10 No FACW 1 - Rapid Test for Hydrophytic Vegetation 6. Agrostis gigantea 5 No FACW X 2 - Dominance Test is >50% 7.	3. Scirpus atrovirens	10	No	OBL	
6. Agrostis gigantea 5 No FACW X 2 - Dominance Test is >50% 7.	4. Ludwigia alternifolia	10	No	OBL	Hydrophytic Vegetation Indicators:
7.	5. Cornus amomum	10	No	FACW	1 - Rapid Test for Hydrophytic Vegetation
8.	6. Agrostis gigantea	5	No	FACW	X 2 - Dominance Test is >50%
8. 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 9.	7.				X 3 - Prevalence Index is ≤3.0 ¹
9. data in Remarks or on a separate sheet) 10.	0				4 - Morphological Adaptations ¹ (Provide supporting
10.	0				data in Remarks or on a separate sheet)
Woody Vine Stratum (Plot size: 30 ft) be present, unless disturbed or problematic. 1.					Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size: 30 ft) be present, unless disturbed or problematic. 1.		130	=Total Cover		¹ Indicators of hydric soil and wetland hydrology must
2 Vegetation	<u>Woody Vine Stratum</u> (Plot size: <u>30 ft</u>)				
2 Vegetation	1				Hydrophytic
=Total Cover Present? Yes X No	2				
			=Total Cover		Present?

Remarks: (Include photo numbers here or on a separate sheet.)

The dominance test and prevalence index are met. The vegetation is hydrophytic at DP-WSJ-003.

Profile Desc	cription: (Descri	be to the dept	h needed to docu	ument t	he indica	ator or	confirm the absence	e of indicators.)
Depth	Matrix			k Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-18	10YR 4/1	95	10YR 3/6	5	С	PL	Loamy/Clayey	Prominent redox concentrations
<u> </u>								
		anlation DM-		10-Maa			21 agentio	n. D Doro Lining, M-Metrix
Hydric Soil			Reduced Matrix, N	10-Ivias	keu Sand	Grains		n: PL=Pore Lining, M=Matrix. prs for Problematic Hydric Soils ³ :
Histosol			Sandy Gle	ved Mat	rix (S4)			ast Prairie Redox (A16)
	oipedon (A2)		Sandy Rec	-				-Manganese Masses (F12)
Black Hi			Stripped M					l Parent Material (F21)
	n Sulfide (A4)		Dark Surfa	•	,			y Shallow Dark Surface (F22)
	Layers (A5)		Loamy Mu		eral (F1)			er (Explain in Remarks)
2 cm Mu	ick (A10)		Loamy Gle	yed Ma	trix (F2)			
Depleted	Below Dark Surf	ace (A11)	X Depleted N	/latrix (F	3)			
Thick Da	ark Surface (A12)		Redox Dar	k Surfac	ce (F6)		³ Indicate	ors of hydrophytic vegetation and
	lucky Mineral (S1)		Depleted E		• • •)		and hydrology must be present,
5 cm Mu	icky Peat or Peat	(S3)	Redox Dep	pression	s (F8)		unle	ess disturbed or problematic.
Restrictive	Layer (if observe	d):						
Type:								
Depth (ir	nches):		_				Hydric Soil Prese	nt? Yes <u>X</u> No
Hydric soil ir	idicator F3 depleti	ed matrix is me	t. The soil is hydri	c at DP·	-WSJ-00	3.		
HYDROLC	GY							
Wetland Hy	drology Indicato	rs:						
Primary Indi	<u>cators (minimum e</u>	of one is requir	ed; check all that a	apply)			Seconda	ary Indicators (minimum of two required)
	Water (A1)		Water-Stai	ned Lea	ives (B9)			face Soil Cracks (B6)
	iter Table (A2)		Aquatic Fa		-			inage Patterns (B10)
X Saturatio	. ,		True Aqua			、 、	·	-Season Water Table (C2)
	arks (B1)		Hydrogen			,		yfish Burrows (C8) uration Visible on Aerial Imagery (C9)
	nt Deposits (B2) posits (B3)		Oxidized R Presence o			-		nted or Stressed Plants (D1)
	it or Crust (B4)		Recent Iro			· /		pmorphic Position (D2)
	osits (B5)		Thin Muck					C-Neutral Test (D5)
	on Visible on Aeria	al Imagery (B7)			. ,			
	Vegetated Conca	0,00	ĭ					
Field Obser	vations:		· <u> </u>					
Surface Wat	er Present?	Yes	No X	Depth (i	nches):			
Water Table	Present?	Yes	No X	Depth (i	nches):			
Saturation P	resent?	Yes X	No	Depth (i	nches):	0	Wetland Hydrold	ogy Present? Yes X No
	pillary fringe)							
Describe Re	corded Data (stre	am gauge, moi	nitoring well, aeria	l photos	, previou	s inspe	ctions), if available:	
Remarks:								
rtomarto.								

Two primary (saturation and inundation on Aerials) and two secondary (geomorphic position and crayfish burrows) indicators of wetland hydrology are observed. There is wetland hydrology at DP-WSJ-003. Saturated to Surface.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New Westville to West Manchester					unty: Preble	Sampling Date:	6/14/2023		
Applicant/Owner:	AES					State:	ОН	Sampling Point:	DP-UPL-WSJ-003
Investigator(s): Stuar	t Jennings, Anr	na Stover		Section,	Township, Range:	31 9N 2	E		
Landform (hillside, te	errace, etc.): te	rrace			Local relief (conca	ve, conve	ex, none):	none	
Slope (%): 2-6	Lat: 39.8345	321°i		Long:	-84.6972418°i്			Datum: NAD 83 O	H.S
Soil Map Unit Name:	Miamian-Celin	a silt loams				N	WI class	fication: NA	
Are climatic / hydrolo	gic conditions	on the site typ	ical for this time of ye	ear?	Yes <u>X</u> No		(If no, ex	plain in Remarks.)	
Are Vegetation N	, Soil <u>N</u> , c	r Hydrology	N significantly dist	urbed?	Are "Normal Circum	nstances	" present'	Yes No	о <u>Х</u>
Are Vegetation N	, Soil <u>N</u> , c	r Hydrology	N naturally probler	natic?	(If needed, explain	any ansv	vers in Re	emarks.)	
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.									
Hydrophytic Vegeta Hydric Soil Present′		Yes Yes	No <u>X</u> No <u>X</u>		ne Sampled Area nin a Wetland?	Y	es	No_X_	

Remarks:

Wetland Hydrology Present?

Wetland parameters are not Present at DP-UPL-WSJ-003. Hydrologic and climatologic data, over past 3 months, suggest drier than normal conditions at time of data collection. Area is near a road over-pass for I-70.

Х

No

VEGETATION - Use scientific names of plants.

Yes

				Absolute	Dominant	Indicator					
Tree Stratum	(Plot size:	30)	% Cover	Species?	Status	Dominance Tes	t worksh	eet:		
1							Number of Domi	inant Spe	cies That		
2.							Are OBL, FACW	, or FAC:	_	0	(A)
3.							Total Number of	Dominan	t Species		
4.							Across All Strata	a:	_	4	(B)
5.							Percent of Domi	nant Speo	cies That		
					=Total Cover		Are OBL, FACW	, or FAC:	_	0.0%	(A/B)
Sapling/Shrub Stra	<u>tum</u> (Plot	size:	15)								
1. Morus rubra				15	Yes	FACU	Prevalence Inde	ex works	heet:		
2.							Total % Co	ver of:	Mul	tiply by:	_
3.							OBL species	0	x 1 =	0	
4.							FACW species	0	x 2 =	0	
5.							FAC species		x 3 =	0	_
				15	=Total Cover		FACU species	75	x 4 =	300	_
<u>Herb Stratum</u>	(Plot size:	5)				UPL species	30	x 5 =	150	_
1. Zea mays			-	30	Yes	UPL	Column Totals:	105	(A)	450	(B)
2. Bromus inermis	3			25	Yes	FACU	Prevalence In	dex = B/	A = .	4.29	_
3. Solidago canad	lensis			20	Yes	FACU					_
4. Cirsium arvens	е			15	No	FACU	Hydrophytic Ve	getation	Indicators		
5.							1 - Rapid Te	st for Hyd	drophytic Ve	egetation	
6							2 - Dominan	ce Test is	\$ >50%	-	
7							3 - Prevalen	ce Index i	s ≤3.0 ¹		
0							4 - Morpholo	ogical Ada	ptations ¹ (F	Provide su	pporting
9.							data in Re	emarks or	on a sepai	ate sheet	t)
10.							Problematic	Hvdrophy	/tic Vegetat	ion ¹ (Exp	lain)
- <u> </u>				90	=Total Cover		¹ Indicators of hy		-		
Woody Vine Stratu	m (Plot	size:	30)				be present, unle				musi
1							Hydrophytic				
2.							Vegetation				
					=Total Cover		Present?	Yes	No	Х	
Demendres (Include		I									

Remarks: (Include photo numbers here or on a separate sheet.)

No hydrophytic vegetation indicators are met. The vegetation is not hydrophytic at DP-UPL-WSJ-003.

Depth	Matrix	to the dep		x Featur			onfirm the absence of	muicators.)		
(inches)	Color (moist)	%	Color (moist)	% realu	Type ¹	Loc ²	Texture	Remarks		
0-12	10YR 4/1	100		70	1)00			Remarks		
							Loamy/Clayey	Dission		
12-18	10YR 3/1	100					Loamy/Clayey	Blocky		
	• . <u></u>									
¹ Type: C=C	concentration, D=De	pletion, RM	Reduced Matrix, N	//S=Mas	ked Sand	Grains.	² Location:	PL=Pore Lining, M=Matrix.		
Hydric Soil	Indicators:						Indicators	for Problematic Hydric Soils ³ :		
Histosol	(A1)		Sandy Gle	eyed Mat	rix (S4)		Coast F	Prairie Redox (A16)		
Histic Ep	pipedon (A2)		Sandy Re	dox (S5)				anganese Masses (F12)		
	istic (A3)		Stripped N	latrix (S	6)			rent Material (F21)		
Hydrogen Sulfide (A4) Dark Surface (S7)							nallow Dark Surface (F22)			
	d Layers (A5)		Loamy Mu				Other (Explain in Remarks)		
	uck (A10)		Loamy Gle	-						
	d Below Dark Surfac	e (A11)	Depleted I	•	,		2			
	ark Surface (A12)		Redox Da		. ,			of hydrophytic vegetation and		
	Sandy Mucky Mineral (S1)Depleted Dark Surface (F7) 5 cm Mucky Peat or Peat (S3) Redox Depressions (F8)					wetland hydrology must be present,				
	ucky Peat or Peat (S		Redox De	pression	s (⊦8)		unless	disturbed or problematic.		
	Layer (if observed)):								
Type:										
Depth (ir	nches):						Hydric Soil Present?	Yes <u>No X</u>		
Remarks:										
No soil hydri	ic indicators are met	t. The soil is	not hydric at DP-U	JPL-WS	J-003.					
HYDROLC										
-	drology Indicators									
	icators (minimum of	one is requi						Indicators (minimum of two required)		
	Water (A1)		Water-Sta		. ,			e Soil Cracks (B6) ge Patterns (B10)		
	ater Table (A2)		Aquatic Fa		2		Ducine			
Caturatia	Saturation (A3) True Aquatic Plants (B14)						`			
			True Aqua	itic Plant	ts (B14)		Dry-Se	ason Water Table (C2)		
Water M	/arks (B1)		True Aqua Hydrogen	itic Plant Sulfide (ts (B14) Odor (C1)		Dry-Se Crayfis	ason Water Table (C2) h Burrows (C8)		
Water M Sedimer	/arks (B1) nt Deposits (B2)		True Aqua Hydrogen Oxidized F	itic Plant Sulfide (Rhizosph	ts (B14) Odor (C1) neres on Li	-	Dry-Se Crayfis pots (C3) Saturat	ason Water Table (C2) h Burrows (C8) ion Visible on Aerial Imagery (C9)		
Water M Sedimer Drift Dep	/arks (B1) nt Deposits (B2) posits (B3)		True Aqua Hydrogen Oxidized F	itic Plant Sulfide (Rhizosph of Redu	ts (B14) Odor (C1) neres on Li ced Iron (C	C4)	Dry-Sei Crayfis pots (C3) Saturat	ason Water Table (C2) h Burrows (C8) ion Visible on Aerial Imagery (C9) d or Stressed Plants (D1)		
Water M Sedimer Drift Dep Algal Ma	Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)		True Aqua Hydrogen Oxidized F Presence Recent Iro	itic Plant Sulfide (Rhizosph of Reduce on Reduce	ts (B14) Odor (C1) neres on Li ced Iron (C ction in Till	C4)	Dry-Sea Crayfis pots (C3) Saturat Stunted s (C6) Geomo	ason Water Table (C2) h Burrows (C8) ion Visible on Aerial Imagery (C9) d or Stressed Plants (D1) rphic Position (D2)		
Water M Sedimer Drift Dep Algal Ma Iron Dep	Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	Imagery (B	True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck	tic Plant Sulfide (Rhizosph of Reduc n Reduc	ts (B14) Odor (C1) neres on Li ced Iron (C ction in Till e (C7)	C4)	Dry-Sea Crayfis pots (C3) Saturat Stunted s (C6) Geomo	ason Water Table (C2) h Burrows (C8) ion Visible on Aerial Imagery (C9) d or Stressed Plants (D1)		
Water M Sedimer Drift Dep Algal Ma Iron Dep	Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)	•••	True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck	tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat	ts (B14) Odor (C1) neres on Li ced Iron (C ction in Till e (C7) ta (D9)	C4)	Dry-Sea Crayfis pots (C3) Saturat Stunted s (C6) Geomo	ason Water Table (C2) h Burrows (C8) ion Visible on Aerial Imagery (C9) d or Stressed Plants (D1) rphic Position (D2)		
Water M Sedimer Drift Dep Algal Ma Iron Dep	Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aerial y Vegetated Concav	•••	True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck	tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat	ts (B14) Odor (C1) neres on Li ced Iron (C ction in Till e (C7) ta (D9)	C4)	Dry-Sea Crayfis pots (C3) Saturat Stunted s (C6) Geomo	ason Water Table (C2) h Burrows (C8) ion Visible on Aerial Imagery (C9) d or Stressed Plants (D1) rphic Position (D2)		
Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatid Sparsely	Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aerial y Vegetated Concav rvations:	•••	True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or 38) Other (Exp	tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat	ts (B14) Odor (C1) heres on L ced Iron (C ction in Till e (C7) ta (D9) Remarks)	C4)	Dry-Sea Crayfis pots (C3) Saturat Stunted s (C6) Geomo	ason Water Table (C2) h Burrows (C8) ion Visible on Aerial Imagery (C9) d or Stressed Plants (D1) rphic Position (D2)		
Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely	Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aerial y Vegetated Concav rvations: ter Present? Y	e Surface (I	True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or 38) Other (Exp	tic Plant Sulfide (Rhizosph of Redu n Redu Surface Well Dat Dain in F	ts (B14) Odor (C1) heres on Li ced Iron (C ction in Till e (C7) ta (D9) Remarks) nches):	C4)	Dry-Sea Crayfis pots (C3) Saturat Stunted s (C6) Geomo	ason Water Table (C2) h Burrows (C8) ion Visible on Aerial Imagery (C9) d or Stressed Plants (D1) rphic Position (D2)		
Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely Field Obser Surface Wat	Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) fon Visible on Aerial y Vegetated Concav rvations: ter Present? Y	e Surface (I	True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or 38) Other (Exp No X No X	tic Plant Sulfide (Rhizosph of Reduc n Reduc s Surface Well Dat Datin in F	ts (B14) Odor (C1) heres on Li ced Iron (C ction in Till e (C7) ta (D9) Remarks) nches):	C4)	Dry-Sea Crayfis pots (C3) Saturat Stunted s (C6) Geomo	ason Water Table (C2) h Burrows (C8) ion Visible on Aerial Imagery (C9) d or Stressed Plants (D1) orphic Position (D2) eutral Test (D5)		
Water M Sedimer Drift Dep Algal Ma Iron Dep Inundatio Sparsely Field Obser Surface Wat Water Table Saturation P	Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) fon Visible on Aerial y Vegetated Concav rvations: ter Present? Y	e Surface (I es es	True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or 38) Other (Exp No X No X	tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat Datin in F Depth (i Depth (i	ts (B14) Odor (C1) heres on Li ced Iron (C ction in Till e (C7) ta (D9) Remarks) nches):	C4)	Dry-Sea Crayfis Saturat Stunted s (C6) FAC-No	ason Water Table (C2) h Burrows (C8) ion Visible on Aerial Imagery (C9) d or Stressed Plants (D1) orphic Position (D2) eutral Test (D5)		

Remarks:

No primary or secondary indicators of wetland hydrology are observed. There is no wetland hydrology at DP-UPL-WSJ-003.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

See ERDC/EL TR-10-16; the proponent agen	CY IS CECW-CO	-K	(Autonity: A	N 333-13, parag	ji upir 0-2a	/
Project/Site: New Westville to West Manchester	City/County:	Preble		Sampling Da	ate: <u>6/14</u> /	/2023
Applicant/Owner: AES		S	tate: OH	Sampling Po	int: <u>DP-W</u>	/SJ-004-1
Investigator(s): Stuart Jennings, Anna Stover	Section, Tow	nship, Range: <u>3</u>	1 9N 2E			
Landform (hillside, terrace, etc.): toe slope	Loc	al relief (concave,	convex, none)	: convex		
Slope (%):Lat: _39.8351008℃	Long: -84.6	6986067°		Datum: NAD 8	3 OH.S	
Soil Map Unit Name: Kokomo silty clay loam			NWI class	ification: NA		
Are climatic / hydrologic conditions on the site typical for this tim	e of year? Yes	s No	X (If no, ex	plain in Remark	(s.)	
Are Vegetation N , Soil N , or Hydrology N significant	tly disturbed? Are	Normal Circumst	ances" present	? Yes	No X	
Are Vegetation N , Soil N , or Hydrology N naturally p		eeded, explain an				-
SUMMARY OF FINDINGS – Attach site map show					features	s, etc.
Wetland Hydrology Present? Yes X No Remarks: All Three wetland parameters are present at DP-WSJ-004-1; th 3 months, suggest drier than normal conditions at time of data VEGETATION – Use scientific names of plants.					gic data, ov	/er past
Absolut	te Dominant In	dicator				
Tree Stratum (Plot size: 30) % Cove			nance Test wo	orksheet:		
1. Fraxinus pennsylvanica15			er of Dominant			
2. Juniperus virginiana 10 3.	Yes F		BL, FACW, or	-	5	(A)
4.			Number of Don s All Strata:	ninant Species	6	(B)
5			nt of Dominant	•	00.00/	-
25 Sapling/Shrub Stratum (Plot size: 15)	=Total Cover	Are O	BL, FACW, or	FAC:	83.3%	_(A/B)
1. Fraxinus pennsylvanica 25	Yes F	ACW Preva	lence Index w	orksheet:		
2. Salix nigra 15	Yes	OBL 1	otal % Cover o	of: Mu	ltiply by:	_
3			·	62 x 1 =	62	-
A			Lanadiaa (120	

			AIC OBE, I AOW, OI I AO. (AID)
25	Yes	FACW	Prevalence Index worksheet:
15	Yes	OBL	Total % Cover of: Multiply by:
			OBL species 62 x 1 = 62
			FACW species 65 x 2 = 130
			FAC species 60 x 3 = 180
40	=Total Cover		FACU species 10 x 4 = 40
	-		UPL species 0 x 5 = 0
60	Yes	FAC	Column Totals: 197 (A) 412 (B)
20	No	OBL	Prevalence Index = B/A = 2.09
20	No	OBL	
5	No	OBL	Hydrophytic Vegetation Indicators:
2	No	OBL	1 - Rapid Test for Hydrophytic Vegetation
-			X 2 - Dominance Test is >50%
			X 3 - Prevalence Index is $\leq 3.0^{1}$
			4 - Morphological Adaptations ¹ (Provide supporting
			data in Remarks or on a separate sheet)
			Problematic Hydrophytic Vegetation ¹ (Explain)
107	=Total Cover		¹ Indicators of hydric soil and wetland hydrology must
	-		be present, unless disturbed or problematic.
25	Yes	FACW	
	·		Hydrophytic Vegetation
25	=Total Cover		Present? Yes X No
	15 40 60 20 20 5 2 2 107 25	25 Yes 15 Yes 40 =Total Cover 60 Yes 20 No 20 No 20 No 20 No 2 No 107 =Total Cover	25 Yes FACW 15 Yes OBL 40 =Total Cover

Remarks: (Include photo numbers here or on a separate sheet.) The dominance test is met. The vegetation is hydrophytic at DP-WSJ-004-1.

		to the dep				ator or o	confirm the absence	of indicators.)			
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Feature %	Type ¹	Loc ²	Texture	Remarks			
			· · · · ·								
0-7	10YR 4/1	90	10YR 3/6	10	<u> </u>	PL	Loamy/Clayey	Prominent redox concentrations			
7-18	2.5YR 5/2	80	10YR 3/2	20	С	PL	Loamy/Clayey	Prominent redox concentrations			
¹ Type: C=Co	ncentration, D=Depl	letion, RM	=Reduced Matrix, N	∕IS=Masł	ked San	d Grains	² Location	: PL=Pore Lining, M=Matrix.			
Hydric Soil I	ndicators:						Indicator	rs for Problematic Hydric Soils ³ :			
Histosol ((A1)		Sandy Gle	yed Matr	ix (S4)		Coas	t Prairie Redox (A16)			
Histic Epi	ipedon (A2)		Sandy Red	dox (S5)			Iron-	Manganese Masses (F12)			
Black His	stic (A3)		Stripped M	/latrix (S6	i)		Red	Parent Material (F21)			
Hydrogen Sulfide (A4) Dark Surface (S7)							Very	Shallow Dark Surface (F22)			
Stratified	Layers (A5)		Loamy Mu	icky Mine	eral (F1)		Othe	r (Explain in Remarks)			
2 cm Muc	ck (A10)		Loamy Gle	eyed Mat	rix (F2)						
Depleted	Below Dark Surface	e (A11)	X Depleted N	Matrix (F3	3)						
Thick Dark Surface (A12) Redox Dark Surface (F6)							³ Indicators of hydrophytic vegetation and				
Sandy Mucky Mineral (S1) Depleted Dark Surface (F7))	wetla	nd hydrology must be present,			
5 cm Muc	cky Peat or Peat (S3	5)	Redox De	pressions	s (F8)		unles	ss disturbed or problematic.			
Type: Depth (ind	ayer (if observed):										
Remarks:	<u> </u>						Hydric Soil Present	t? Yes <u>X</u> No			
Remarks:	dicator F3 depleted r	matrix is m	uet. The soil is hydr	ic at DP-	WSJ-00	4-1.	Hydric Soil Present	t? Yes <u>X</u> No			
Remarks:	dicator F3 depleted r	matrix is m	uet. The soil is hydr	ic at DP-	WSJ-00	4-1.	Hydric Soil Present	t? Yes <u>X</u> No			
Remarks: Hydric soil inc	dicator F3 depleted r	matrix is m	uet. The soil is hydr	ic at DP-	WSJ-00	4-1.	Hydric Soil Present	t? Yes <u>X</u> No			
Remarks: Hydric soil inc HYDROLO Wetland Hyd Primary Indic	dicator F3 depleted r			apply)			Seconda	t? Yes X No ry Indicators (minimum of two required) ace Soil Cracks (B6)			
Remarks: Hydric soil inc HYDROLO Wetland Hyd Primary Indic: Surface V	dicator F3 depleted r GY Irology Indicators: ators (minimum of o		ired; check all that Water-Sta Aquatic Fa	apply) ined Lea auna (B1:	ves (B9) 3)		Seconda Surfa X Drair	ry Indicators (minimum of two required) ace Soil Cracks (B6) age Patterns (B10)			
Remarks: Hydric soil inc HYDROLO Wetland Hyd Primary Indica Surface V High Wat X Saturation	dicator F3 depleted r GY Irology Indicators: ators (minimum of o Water (A1) ter Table (A2) n (A3)		ired; check all that Water-Sta Aquatic Fa True Aqua	apply) ined Lea auna (B1;	ves (B9) 3) s (B14)		<u>Seconda</u> Surfa X Drair Dry-S	ry Indicators (minimum of two required) ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2)			
Remarks: Hydric soil ind HYDROLOO Wetland Hyd Primary Indic: Surface V High Wat X Saturation Water Ma	dicator F3 depleted r GY Irology Indicators: <u>ators (minimum of o</u> Nater (A1) ter Table (A2) n (A3) arks (B1)		ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen	apply) ined Lea auna (B13 tic Plants Sulfide C	ves (B9) 3) s (B14))dor (C1)	<u>Seconda</u> Surfa X Drair Dry-S Cray	ry Indicators (minimum of two required) ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8)			
Remarks: Hydric soil ind HYDROLOO Wetland Hyd Primary Indic: Surface V High Wat X Saturation Water Ma Sediment	dicator F3 depleted r GY Irology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2)		ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F	apply) ined Lea auna (B1: tic Plants Sulfide C Rhizospho	ves (B9) 3) s (B14) Ddor (C1 eres on) Living R	<u>Seconda</u> Surfa X Drair Dry-S Cray oots (C3) Satu	r <u>y Indicators (minimum of two required)</u> ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9)			
Remarks: Hydric soil ind HYDROLOO Wetland Hyd Primary Indic: Surface V High Wat X Saturation Water Ma Sediment Drift Depo	dicator F3 depleted r GY Irology Indicators: sators (minimum of o Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3)		ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F	apply) ined Lea auna (B1: tic Plants Sulfide C Rhizospho of Reduc	ves (B9) 3) s (B14) Ddor (C1 eres on eed Iron) Living R	<u>Seconda</u> Surfa X Drair Dry-5 Cray oots (C3) Satur	ry Indicators (minimum of two required) ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1)			
Remarks: Hydric soil ind HYDROLOO Wetland Hyd Primary Indic: Surface V High Wat X Saturation Water Ma Sediment Drift Depo Algal Mat	dicator F3 depleted r GY Irology Indicators: ators (minimum of o Vater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4)		ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro	apply) ined Lea auna (B1: tic Plants Sulfide C Rhizospho of Reduc n Reduc	ves (B9) 3) s (B14) Ddor (C1 eres on eed Iron tion in T) Living R	Seconda Surfa X Drair Dry-5 Cray oots (C3) Satur s (C6) X Geor	ry Indicators (minimum of two required) ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) norphic Position (D2)			
Remarks: Hydric soil ind HYDROLOO Wetland Hyd Primary Indica Surface V High Wat X Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo	dicator F3 depleted r GY frology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5)	ne is requ	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck	apply) ined Lea auna (B1 tic Plants Sulfide C Rhizospho of Reduc on Reduc Surface	ves (B9) 3) s (B14) Ddor (C1 eres on eed Iron tion in T (C7)) Living R	Seconda Surfa X Drair Dry-5 Cray oots (C3) Satur s (C6) X Geor	ry Indicators (minimum of two required) ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1)			
Remarks: Hydric soil ind HYDROLOO Wetland Hyd Primary Indic: Surface V High Wat X Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundatio	dicator F3 depleted r GY frology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) n Visible on Aerial Ir	ne is requ nagery (B	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck 7) Gauge or	apply) ined Lea auna (B1 tic Plants Sulfide C Nizospho of Reduc of Reduc s Surface Well Data	ves (B9) 3) s (B14) Odor (C1 eres on eed Iron tion in T (C7) a (D9)) Living R (C4) Illed Soil	Seconda Surfa X Drair Dry-5 Cray oots (C3) Satur s (C6) X Geor	ry Indicators (minimum of two required) ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) norphic Position (D2)			
Remarks: Hydric soil ind HYDROLOO Wetland Hyd Primary Indic: Surface V High Wat X Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundatio Sparsely	dicator F3 depleted r GY Irology Indicators: <u>rators (minimum of o</u> Water (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) n Visible on Aerial Ir Vegetated Concave	ne is requ nagery (B	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck 7) Gauge or	apply) ined Lea auna (B1 tic Plants Sulfide C Nizospho of Reduc of Reduc s Surface Well Data	ves (B9) 3) s (B14) Odor (C1 eres on eed Iron tion in T (C7) a (D9)) Living R (C4) Illed Soil	Seconda Surfa X Drair Dry-5 Cray oots (C3) Satur s (C6) X Geor	ry Indicators (minimum of two required) ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) norphic Position (D2)			
Remarks: Hydric soil ind HYDROLOO Wetland Hyd Primary Indic: Surface V High Wat X Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundation Sparsely Field Observ	dicator F3 depleted r GY Irology Indicators: ators (minimum of o Vater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) n Visible on Aerial Ir Vegetated Concave vations:	ne is requ nagery (B' Surface (I	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck 7) Gauge or 38) Other (Exp	apply) ined Lea auna (B1: tic Plants Sulfide C Rhizospho of Reduc of Reduc of Reduc Surface Well Data olain in R	ves (B9) 3) s (B14) Ddor (C1 eres on eed Iron tion in T (C7) a (D9) emarks)) Living R (C4) Illed Soil	Seconda Surfa X Drair Dry-5 Cray oots (C3) Satur s (C6) X Geor	ry Indicators (minimum of two required) ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) norphic Position (D2)			
Remarks: Hydric soil ind HYDROLOO Wetland Hyd Primary Indica Surface V High Wat X Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundation Sparsely Field Observ Surface Wate	dicator F3 depleted r GY frology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) n Visible on Aerial Ir Vegetated Concave vations: er Present? Ye	ne is requ nagery (B Surface (I s	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck 7) Gauge or 38) Other (Exp	apply) ined Lea auna (B1 tic Plants Sulfide C Rhizospho of Reduc of Reduc	ves (B9) 3) s (B14) Odor (C1 eres on eed Iron tion in T (C7) a (D9) emarks) mches):) Living R (C4) Illed Soil	Seconda Surfa X Drair Dry-5 Cray oots (C3) Satur s (C6) X Geor	ry Indicators (minimum of two required) ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) norphic Position (D2)			
Remarks: Hydric soil ind HYDROLOO Wetland Hyd Primary Indic: Surface V High Wat X Saturation Water Ma Sediment Drift Depo Algal Mat Iron Depo Inundation Sparsely Field Observ	dicator F3 depleted r GY Irology Indicators: ators (minimum of o Nater (A1) ter Table (A2) n (A3) arks (B1) t Deposits (B2) osits (B3) t or Crust (B4) osits (B5) n Visible on Aerial Ir Vegetated Concave vations: er Present? Ye Present? Ye	ne is requ nagery (B Surface (I s	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck 7) Gauge or 38) Other (Exp No X No X	apply) ined Lea auna (B1: tic Plants Sulfide C Rhizospho of Reduc of Reduc of Reduc Surface Well Data olain in R	ves (B9) 3) s (B14) Odor (C1 eres on red Iron tion in T (C7) a (D9) emarks) mches): nches):) Living R (C4) Illed Soil	Seconda Surfa X Drair Dry-5 Cray oots (C3) Satur s (C6) X Geor	ry Indicators (minimum of two required) ace Soil Cracks (B6) age Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) norphic Position (D2) -Neutral Test (D5)			

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Two primary (saturation and oxidized rhizospheres on living roots) and three secondary (drainage patterns, Geomorphic Position, and the FAC-Neutral Test) indicators of wetland hydrology are observed. There is wetland hydrology at DP-WS-004-1. Linear Depression. Saturated to Surface

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New We	estville to West	t Manchester	City/	County: Preble	Sampling Date:	6/14/2023		
Applicant/Owner:	AES				State:	ОН	Sampling Point:	DP-WSJ-004-2
Investigator(s): Stuar	t Jennings, Ani	na Stover	Sectio	on, Township, Range:	31 9N 2	2E		
Landform (hillside, te	errace, etc.): <u>Te</u>	errace		Local relief (conca	ve, conve	ex, none)	concave	
Slope (%): 0-2	Lat: <u>39.8351</u>	242 °ř	Lon	ıg: <u>-84.6995313°</u> ř			Datum: NAD 83 OF	1.S
Soil Map Unit Name:	Celina silt loar	m			N	IWI class	sification: NA	
Are climatic / hydrolc	gic conditions	on the site typic	al for this time of year?	Yes No	<u>х</u>	(If no, ex	xplain in Remarks.)	
Are Vegetation N	, Soil <u>N</u> , c	or Hydrology N	significantly disturbed?	? Are "Normal Circum	nstances	" present	.? Yes No	<u>х</u>
Are Vegetation N	, Soil <u>N</u> , c	or Hydrology N	naturally problematic?	(If needed, explain	any ansv	vers in R	emarks.)	
SUMMARY OF F	FINDINGS -	- Attach site	map showing sam	oling point location	ons, tra	ansect	s, important fea	tures, etc.
Hydrophytic Vegeta Hydric Soil Present Wetland Hydrology	?	Yes X Yes X Yes X		the Sampled Area ithin a Wetland?	Y	/es_X	No	
Remarks:								

All Three wetland parameters are present at DP-WSJ-004-2; this area consists of a Scrub/Shrub wetland. Hydrologic and climatologic data, over past 3 months, suggest drier than normal conditions at time of data collection. Part of I-70 Drainage.

VEGETATION - Use scientific names of plants.

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:
1		. <u> </u>		Number of Dominant Species That
2				Are OBL, FACW, or FAC: 5 (A)
3				Total Number of Dominant Species
4				Across All Strata: 5 (B)
5		. <u> </u>		Percent of Dominant Species That
		=Total Cover		Are OBL, FACW, or FAC:(A/B)
Sapling/Shrub Stratum (Plot size: 15)			
1. Fraxinus pennsylvanica	35	Yes	FACW	Prevalence Index worksheet:
2. Cornus amomum	15	Yes	FACW	Total % Cover of: Multiply by:
3				OBL species90 x 1 =90
4.				FACW species 60 x 2 = 120
5.				FAC species 15 x 3 = 45
	50	=Total Cover		FACU species 0 x 4 = 0
Herb Stratum (Plot size: 5)				UPL species 0 x 5 = 0
1. Leersia oryzoides	45	Yes	OBL	Column Totals: 165 (A) 255 (B)
2. Scirpus atrovirens	25	Yes	OBL	Prevalence Index = B/A = 1.55
3. Scirpus pendulus	15	No	OBL	
4. Carex vulpinoidea	10	No	FACW	Hydrophytic Vegetation Indicators:
5. Lycopus americanus	5	No	OBL	X 1 - Rapid Test for Hydrophytic Vegetation
6				X 2 - Dominance Test is >50%
7.				X 3 - Prevalence Index is ≤3.0 ¹
8.				4 - Morphological Adaptations ¹ (Provide supporting
9.				data in Remarks or on a separate sheet)
10.				Problematic Hydrophytic Vegetation ¹ (Explain)
	100	=Total Cover		¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size: 30)			be present, unless disturbed or problematic.
1. Toxicodendron radicans	15	Yes	FAC	Hydrophytic
2.				Vegetation
	15	=Total Cover		Present? Yes X No

Remarks: (Include photo numbers here or on a separate sheet.)

The rapid test for hydrophytic vegetation, dominance test, and prevalence index are met. The vegetation is hydrophytic at DP-WSJ-004-2.

SOI	
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(inches)	Matrix Color (moist)	%	Color (moist)	x Featur %	Type ¹	Loc ²	Text	uro	Remarks
0-7	10YR 4/1	90	10YR 3/6	10	<u>C</u>	PL	Loamy/		Prominent redox concentrations
7-18	2.5YR 5/2	80	10YR 3/2	20	<u> </u>	PL	Loamy/	Clayey	Prominent redox concentrations
						_			
¹ Type: C=Co	oncentration, D=Deple	tion, RM=	Reduced Matrix, I	MS=Mas	ked San	d Grains		² Location	PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:								rs for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Gle					Coas	t Prairie Redox (A16)
	oipedon (A2)		Sandy Re						Manganese Masses (F12)
Black His	()		Stripped N	•	5)				Parent Material (F21)
	n Sulfide (A4)		Dark Surfa	` '					Shallow Dark Surface (F22)
	Layers (A5)		Loamy Mu	-				Othe	r (Explain in Remarks)
	ick (A10)		Loamy Gl	•	• •				
	Below Dark Surface (A11)	X Depleted	•	,			3	
	ark Surface (A12)		Redox Da						s of hydrophytic vegetation and
	lucky Mineral (S1)		Depleted		• •				nd hydrology must be present,
5 cm Mu	icky Peat or Peat (S3)		Redox De	pression	s (F8)			unles	s disturbed or problematic.
	Layer (if observed):								
Type:									
Type: Depth (ir			_				Hydric So	il Present	? Yes <u>X</u> No
Type: Depth (ir Remarks: Hydric soil in	nches): ndicator F3 depleted m	atrix is me	et. The soil is hyd	ic at DP	-WSJ-00	4-2.	Hydric Sc	il Present	:? Yes <u>X</u> No_
Type: Depth (ir Remarks: Hydric soil in	nches): ndicator F3 depleted m	atrix is me	et. The soil is hyd	ic at DP	WSJ-00	4-2.	Hydric So	il Present	:? Yes <u>X</u> No_
Type: Depth (ir Remarks: Hydric soil in HyDROLO	nches): ndicator F3 depleted m				-WSJ-00	4-2.	Hydric So		
Type: Depth (ir Remarks: Hydric soil in IYDROLO Wetland Hyd Primary India	nches): ndicator F3 depleted m DGY drology Indicators:			apply)			Hydric So	Secondar	ry Indicators (minimum of two requir
Type: Depth (ir Remarks: Hydric soil in IYDROLO Wetland Hyd Primary Indic Surface	nches): ndicator F3 depleted m DGY drology Indicators: cators (minimum of one		red; check all that	apply) ined Lea	ives (B9)		Hydric So	Secondar	ry Indicators (minimum of two requir
Type: Depth (ir Remarks: Hydric soil in YDROLO Vetland Hyd Primary India Surface Y High Wa	Adicator F3 depleted ma DGY drology Indicators: cators (minimum of one Water (A1) tter Table (A2)		red; check all that	apply) ined Lea auna (B1	ives (B9) 3)		Hydric So	Secondar Surfa	ry Indicators (minimum of two requir ice Soil Cracks (B6)
Type: Depth (ir Remarks: Hydric soil in IYDROLO Wetland Hyd Primary Indio Surface ' High Wa X Saturatio	Adicator F3 depleted ma DGY drology Indicators: cators (minimum of one Water (A1) tter Table (A2)		red; check all that Water-Sta Aquatic Fa	<u>apply)</u> ined Lea auna (B1 atic Plant	ves (B9) 3) s (B14)		Hydric So	Secondar Surfa Drair Dry-S	ry Indicators (minimum of two requir ice Soil Cracks (B6) iage Patterns (B10)
Type: Depth (ir Remarks: Hydric soil in IYDROLO Wetland Hyd Primary Indio Surface V High Wa X Saturatic Water M	Adicator F3 depleted ma DGY drology Indicators: cators (minimum of one Water (A1) tter Table (A2) on (A3)		r <u>ed; check all that</u> Water-Sta Aquatic Fa True Aqua	apply) ined Lea auna (B1 titc Plant Sulfide (ives (B9) 3) s (B14) Ddor (C1)		Secondar Surfa Drair Dry-S Cray Satu	ry Indicators (minimum of two requir nce Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9)
Type: Depth (ir Remarks: Hydric soil in IYDROLO Wetland Hyd Primary India Surface V High Wa X Saturatic Water M Sedimen	DGY drology Indicators: cators (minimum of one Water (A1) tter Table (A2) on (A3) larks (B1)		red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence	apply) ined Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc	ives (B9) 3) s (B14) Ddor (C1 eres on l ced Iron () _iving R _C4)	oots (C3)	Secondar Surfa Drair Dry-5 Crayi Satur Stun	ry Indicators (minimum of two requir ice Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1)
Type: Depth (ir Remarks: Hydric soil in IYDROLO Wetland Hyd Primary India Surface V High Wa X Saturatic Water M Sedimen Drift Dep Algal Ma	Adicator F3 depleted ma Adicator F3 depleted		red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized f Presence Recent Iro	apply) ined Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc on Reduc	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron tion in Ti) _iving R _C4)	oots (C3)	Secondar Surfa Drain Dry-S Crayi Saturi Stuni X Geor	ry Indicators (minimum of two requir ice Soil Cracks (B6) lage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1) norphic Position (D2)
Type: Depth (ir Remarks: Hydric soil in Hydric soil in Hydric soil in Hydric soil in Hydric soil in Wetland Hyd Surface High Wa Surface Water M Sedimen Drift Dep Algal Ma Iron Dep	Anches): Adicator F3 depleted matrix OGY drology Indicators: cators (minimum of one Water (A1) ther Table (A2) on (A3) arks (B1) arks (B1) arks (B2) posits (B3)	e is requir	red; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck	apply) ined Lea auna (B1 atic Plant Sulfide (Rhizosph of Reduc on Reduc c Surface	ives (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tion in Ti e (C7)) _iving R _C4)	oots (C3)	Secondar Surfa Drain Dry-S Crayi Saturi Stuni X Geor	ry Indicators (minimum of two requir ice Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9) ted or Stressed Plants (D1)

	incave Sunace (Di					
Field Observations:						
Surface Water Present?	Yes	No <u>X</u>	Depth (inches):			
Water Table Present?	Yes	No X	Depth (inches):			
Saturation Present?	Yes X	No	Depth (inches): 0	Wetland Hydrology Present?	Yes X	No
(includes capillary fringe)						
Describe Recorded Data (st	tream gauge, mor	nitoring well, ae	rial photos, previous inspecti	ons), if available:		

Remarks:

Three primary (Saturation, oxidized rhizospheres on living roots, inundation) and two secondary (the FAC-neutral test and Geomorphic Position) indicators of wetland hydrology are observed. There is wetland hydrology at DP-WSJ-004-2. Linear Depression. Saturated to Surface.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

See LINDO		0-10, ille pit	phone	ni agency	IS CLOW.	-00-i					, . I .		
Project/Site: New W	estville to We	est Mancheste	r		City/Co	unty: Preble				Sampling Da	ate:	6/14/	2023
Applicant/Owner:	AES							State:	OH	Sampling Po	int:	DP-WS	J-UPL-004-1
Investigator(s): Stuar	rt Jennings, A	Anna Stover			Section,	Township, Rai	nge:	31 9N 2	2E				
Landform (hillside, te	errace, etc.):	Hillside				Local relief (c	onca	/e, conv	ex, none)	: concave			
Slope (%): 0-2	Lat: 39.83	51331°ř			Long:	-84.6985835 ℃	•			Datum: NAD 8	3 OH	.S	
Soil Map Unit Name	: Celina silt lo	bam			·			١	WI class	sification: NA			
Are climatic / hydrolo	ogic condition	ns on the site ty	vpical fo	or this time o	f year?	Yes	No	х	(If no, e	xplain in Remark	(s.)		
Are Vegetation N	•	-			•	Are "Normal C	Circum	stances	" present	t? Yes	No	х	_
Are Vegetation N	, Soil N	, or Hydrology	<u>N</u> r	naturally prob	lematic?	(If needed, ex	plain a	any ans	wers in R	emarks.)			
SUMMARY OF	FINDINGS	6 – Attach s	ite ma	ap showin	ıg sampli	ng point lo	catio	ons, tr	ansect	s, important	feat	ures	, etc.
Hydrophytic Vegeta Hydric Soil Present Wetland Hydrology	?	? Yes <u>X</u> Yes <u> </u>	No			e Sampled Ar in a Wetland?		١	/es	No_X			
Remarks: Wetland parameter conditions at time o					•	0	ta, ove	er past 3	8 months,	, suggest drier th	ian no	ormal	
VEGETATION –	- Use scier	ntific names	of pla	nts.									
Tree Stratum	(Plot size:	30)	Absolute % Cover	Dominant Species?	Indicator Status	Do	minance	e Test wo	orksheet:			
1. Juniperus virgin	iana			15	Yes	FACU	Nur	mber of	Dominan	t Species That			
2. Fraxinus penns	ylvanica			15	Yes	FACW	Are	OBL, F	ACW, or	FAC:		3	(A)
3. 4.								al Numb oss All \$		minant Species		5	(B)
5.							Per	cent of I	Dominant	t Snecies That			

30 =Total Cover

Yes

Yes

Yes

No

No

20 =Total Cover

FAC

FACW

FACU

FACU

UPL

20

70

25

20

15

· ereent er Bennant epeelee mat		
Are OBL, FACW, or FAC:	60.0%	(A/B)

Prevalence Inde	x works	heet:		
Total % Cov	er of:	Mu	ltiply by:	
OBL species	0	x 1 =	0	
FACW species	85	x 2 =	170	
FAC species	20	x 3 =	60	
FACU species	70	x 4 =	280	
UPL species	15	x 5 =	75	
Column Totals:	190	(A)	585	(B)
Prevalence Ind	dex = B/	A =	3.08	

Hydrophytic Vegetation Indicators:

	10	No	FACU	1 - Rapid Test for Hydrophytic Vegetation
				X 2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.0 ¹
				4 - Morphological Adaptations ¹ (Provide supporting
				data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation ¹ (Explain)
(Plot size:)	140	=Total Cover		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				Hydrophytic Vegetation
		=Total Cover		Present?

Remarks: (Include photo numbers here or on a separate sheet.)

The dominance test is met. The vegetation is hydrophytic at DP-WSJ-UPL-004-1.

(Plot size: 15

(Plot size: 5)

Sapling/Shrub Stratum

1. Aesculus glabra

Herb Stratum

1. Vitis riparia

2. Festuca pratensis

5. Cichorium intybus

Woody Vine Stratum

3. Taraxacum officinale

4. Leucanthemum vulgare

2. 3. 4. 5.

6. 7. 8. 9. 10.

1. 2.

	cription: (Describe	to the dept				ator or	confirm the absence o	of indicators.)	
Depth	Matrix		Redo	x Featur					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	6
0-10	10YR 5/4	100					Loamy/Clayey	clay loan	า
10-18	10YR 5/3	70	10YR 3/6	30	RM	М	Loamy/Clayey	clay loan	า
	-								
	oncentration, D=Dep	lation PM-	Roduced Matrix	1 <u>8</u> -Maa	kod Son	d Croinc		PL=Pore Lining, M=Ma	
Hydric Soil				vio-ivias	Keu San			s for Problematic Hydr	
Histosol			Sandy Gle	eved Mat	rix (S4)			t Prairie Redox (A16)	
	oipedon (A2)		Sandy Re					/anganese Masses (F12	2)
Black Hi			Stripped N					Parent Material (F21)	,
Hydroge	n Sulfide (A4)		Dark Surfa	•	,			Shallow Dark Surface (F	22)
Stratified	l Layers (A5)		Loamy Mu	icky Mine	eral (F1)		Other	· (Explain in Remarks)	
2 cm Mu	ick (A10)		Loamy Gle	eyed Ma	trix (F2)				
Depleted	Below Dark Surface	e (A11)	Depleted I	Matrix (F	3)				
	ark Surface (A12)		Redox Da		()			s of hydrophytic vegetat	
	lucky Mineral (S1)		Depleted [)		nd hydrology must be pr	
	cky Peat or Peat (S	-	Redox De	pression	s (F8)		unles	s disturbed or problema	tic.
	Layer (if observed):								
Type:							Ubadaia Osil Das santi	0 Y ₂ -	
Depth (ir	ncnes):						Hydric Soil Present	? Yes	NoX
No hydric so	il indicators are met.	Soils are v	ery gravely, rocky	and had	disturbe	d soils.	The soil is not hydric at	t DP-WSJ-UPL-004-1.	
HYDROLC	GY								
Wetland Hy	drology Indicators:								
-	cators (minimum of o	ne is requir	ed; check all that	apply)			Secondar	y Indicators (minimum c	<u>f two required)</u>
Surface	Water (A1)		Water-Sta	ined Lea	ives (B9)		Surfa	ce Soil Cracks (B6)	
High Wa	ter Table (A2)		Aquatic Fa				Drain	age Patterns (B10)	
Saturatio	()		True Aqua					eason Water Table (C2)
	arks (B1)		Hydrogen		•	,		ish Burrows (C8)	(00)
	nt Deposits (B2)		Oxidized F Presence	•		-		ation Visible on Aerial Ir	
	oosits (B3) It or Crust (B4)		Recent Iro			· /		ed or Stressed Plants (E norphic Position (D2))))
	osits (B5)		Thin Muck					Neutral Test (D5)	
	on Visible on Aerial I	magery (B7			. ,			(-)	
	Vegetated Concave		· · · ·						
Field Obser	vations:								
Surface Wat	er Present? Ye	s	No <u>X</u>	Depth (i	nches):				
Water Table	Present? Ye	s			nches):				
Saturation P		s	No <u>X</u>	Depth (i	nches):		Wetland Hydrolog	y Present? Yes	<u>No X</u>
(includes ca				Lub (
Describe Re	corded Data (stream	gauge, mo	nitoring well, aeria	ai photos	, previou	s inspec	ctions), if available:		
Remarks:									
	il indicators are met.	The soil is	not hydric at DP-V	VSJ-UPI	004-1.				

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New We	estville to West	t Manchester		City/Cc	ounty: Preble			Sampling Date:	6/14/2023
Applicant/Owner:	AES			-		State:	ОН	Sampling Point:	DP-UPL-WSJ-004-2
Investigator(s): Stuar	t Jennings, Anı	na Stover		Section	, Township, Range:	31 9N 3	2E		
Landform (hillside, te	errace, etc.): <u>hi</u>	lltop			Local relief (conca	ve, conv	ex, none):	none	
Slope (%): 0-2	Lat: <u>39.8351</u>	636°∣		Long:	: -84.6996033°i			Datum: NAD 83 O	H.S
Soil Map Unit Name:	Celina silt loar	n				1	√WI classi	ification: NA	
Are climatic / hydrolo	ogic conditions	on the site typi	ical for this time of	year?	Yes No	<u>х</u>	(If no, ex	plain in Remarks.)	
Are Vegetation N	, Soil <u>N</u> , c	or Hydrology	Y significantly dis	sturbed?	Are "Normal Circun	nstances	s" present	? Yes <u>X</u> No	0 <u>X</u>
Are Vegetation N	, Soil <u>N</u> , c	or Hydrology	N naturally proble	ematic?	(If needed, explain	any ans	wers in Re	marks.)	
SUMMARY OF F	FINDINGS -	Attach site	ə map showinç	j sampli	ing point locati	ons, tr	ansects	, important fea	itures, etc.
Hydrophytic Vegeta Hydric Soil Present′		Yes Yes	No <u>X</u> No X		he Sampled Area hin a Wetland?		Yes	No X	

Remarks:
itemains.

Wetland Hydrology Present?

Wetland parameters are not Present at DP-UPL-WSJ-004-2. Hydrologic and climatologic data, over past 3 months, suggest drier than normal conditions at time of data collection. Area is part of the drainage system for I-70.

VEGETATION - Use scientific names of plants.

Yes

No X

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:
1				Number of Dominant Species That
2				Are OBL, FACW, or FAC: <u>3</u> (A)
3				Total Number of Dominant Species
4				Across All Strata: 6 (B)
5.				Percent of Dominant Species That
		=Total Cover		Are OBL, FACW, or FAC: 50.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15)			
1. Fraxinus pennsylvanica	30	Yes	FACW	Prevalence Index worksheet:
2. Elaeagnus umbellata	20	Yes	UPL	Total % Cover of: Multiply by:
3. Juniperus virginiana	20	Yes	FACU	OBL species45 x 1 =45
4. Acer saccharinum	5	No	FACW	FACW species 50 x 2 = 100
5. Liriodendron tulipifera	5	No	FACU	FAC species 10 x 3 = 30
	80	=Total Cover		FACU species 55 x 4 = 220
Herb Stratum (Plot size: 5)				UPL species 20 x 5 = 100
1. Leersia oryzoides	30	Yes	OBL	Column Totals: 180 (A) 495 (B)
2. Solidago canadensis	20	Yes	FACU	Prevalence Index = B/A = 2.75
3. Scirpus pendulus	15	No	OBL	
4. Carex vulpinoidea	15	No	FACW	Hydrophytic Vegetation Indicators:
5. Asclepias verticillata	10	No	FACU	1 - Rapid Test for Hydrophytic Vegetation
6.				2 - Dominance Test is >50%
7.				3 - Prevalence Index is ≤3.0 ¹
8.				4 - Morphological Adaptations ¹ (Provide supporting
9.				data in Remarks or on a separate sheet)
10.				Problematic Hydrophytic Vegetation ¹ (Explain)
	90	=Total Cover		¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size: 30)			be present, unless disturbed or problematic.
1. Toxicodendron radicans	10	Yes	FAC	Hydrophytic
2.				Vegetation
	10	=Total Cover		Present? Yes No X

Remarks: (Include photo numbers here or on a separate sheet.)

No hydrophytic vegetation indicators are met. The vegetation is not hydrophytic at DP-UPL-WSJ-004-2.

Depth Ma		Redox Features		
(inches) Color (mois		Color (moist) % Type ¹ Loc ²	Texture	Remarks
0-7 10YR 3/1	1 100		Loamy/Clayey	Rocky/gravel
		Reduced Matrix, MS=Masked Sand Grain:		n: PL=Pore Lining, M=Matrix.
Hydric Soil Indicators:		-Reduced Matrix, MS-Masked Sand Grain		brs for Problematic Hydric Soils ³ :
Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) 2 cm Muck (A10) Depleted Below Dark St		Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) Loamy Mucky Mineral (F1) Loamy Gleyed Matrix (F2) Depleted Matrix (F3)	Coz Iron Rec Ver Oth	st Prairie Redox (A16) -Manganese Masses (F12) Parent Material (F21) y Shallow Dark Surface (F22) er (Explain in Remarks)
Thick Dark Surface (A1	2)	Redox Dark Surface (F6)	³ Indicate	ors of hydrophytic vegetation and
Sandy Mucky Mineral (S	S1)	Depleted Dark Surface (F7)	wet	and hydrology must be present,
5 cm Mucky Peat or Pea	at (S3)	Redox Depressions (F8)	unle	ess disturbed or problematic.
	ved):			
Restrictive Layer (if obser	ved): ge roots			
Restrictive Layer (if obser Type: Larg Depth (inches): Remarks:	ge roots 7	re laver of large roots at 7 inches is choose	Hydric Soil Prese	
Restrictive Layer (if obser Type: Larg Depth (inches): Remarks: No hydric soil indicators are	ge roots 7	re layer of large roots at 7 inches is observe		
Restrictive Layer (if obser Type: Larg Depth (inches): Remarks: No hydric soil indicators are	ge roots 7 met. A restrictiv	re layer of large roots at 7 inches is observe		
Restrictive Layer (if obser Type:	ge roots 7 met. A restrictiv tors:		ed. The soil is not hyd	ric at DP-UPL-WSJ-004.
Restrictive Layer (if obser Type: Depth (inches): Remarks: No hydric soil indicators are No hydric soil indicators are Surface Water (A1)	ge roots 7 met. A restrictiv tors:	red; check all that apply) Water-Stained Leaves (B9)	ed. The soil is not hyd	ric at DP-UPL-WSJ-004. ary Indicators (minimum of two require- face Soil Cracks (B6)
Restrictive Layer (if obser Type: Larg Depth (inches):	ge roots 7 met. A restrictiv tors:	red; check all that apply) Water-Stained Leaves (B9) Aquatic Fauna (B13)	ed. The soil is not hyd	ric at DP-UPL-WSJ-004. ary Indicators (minimum of two require face Soil Cracks (B6) inage Patterns (B10)
Restrictive Layer (if obser Type: Larg Depth (inches):	ge roots 7 met. A restrictiv tors:	red; check all that apply) Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14)	ed. The soil is not hydSecondaSurDraDry	ric at DP-UPL-WSJ-004. ary Indicators (minimum of two require face Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2)
Restrictive Layer (if obser Type: Larg Depth (inches):	ge roots 7 met. A restrictiv tors: n of one is requi	red; check all that apply) Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1)	ed. The soil is not hyd <u>Second:</u> <u>Sur</u> Dra <u>Dry</u> Cra	ric at DP-UPL-WSJ-004. ary Indicators (minimum of two require face Soil Cracks (B6) inage Patterns (B10) Season Water Table (C2) yfish Burrows (C8)
Restrictive Layer (if obser Type: Larg Depth (inches):	ge roots 7 met. A restrictiv tors: n of one is requi	red; check all that apply) Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living F	ed. The soil is not hyd	ric at DP-UPL-WSJ-004. ary Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9)
Restrictive Layer (if obser Type: Larg Depth (inches):	ge roots 7 met. A restrictiv tors: n of one is requi	red; check all that apply) Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living F Presence of Reduced Iron (C4)	ed. The soil is not hyd	ric at DP-UPL-WSJ-004. ary Indicators (minimum of two require face Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1)
Restrictive Layer (if obser Type: Larg Depth (inches):	ge roots 7 met. A restrictiv tors: n of one is requi	red; check all that apply) Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So	ed. The soil is not hyd	ric at DP-UPL-WSJ-004. ary Indicators (minimum of two require face Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2)
Restrictive Layer (if obser Type: Larg Depth (inches):	ge roots 7 met. A restrictiv tors: <u>m of one is requi</u>	red; check all that apply) Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7)	ed. The soil is not hyd	ric at DP-UPL-WSJ-004. ary Indicators (minimum of two require face Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1)
Restrictive Layer (if obser Type: Larg Depth (inches):	ge roots 7 met. A restrictiv tors: <u>n of one is requi</u>	red; check all that apply) Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7) Gauge or Well Data (D9)	ed. The soil is not hyd	ric at DP-UPL-WSJ-004. ary Indicators (minimum of two require face Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2)
Restrictive Layer (if obser Type: Larg Depth (inches):	ge roots 7 met. A restrictiv tors: <u>n of one is requi</u>	red; check all that apply) Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7) Gauge or Well Data (D9)	ed. The soil is not hyd	ric at DP-UPL-WSJ-004. ary Indicators (minimum of two required face Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) omorphic Position (D2)
Restrictive Layer (if obser Type: Larg Depth (inches):	ge roots 7 met. A restrictiv tors: <u>m of one is requi</u>) erial Imagery (B ncave Surface (B	red; check all that apply) Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7) Gauge or Well Data (D9) 38) Other (Explain in Remarks)	ed. The soil is not hyd	ric at DP-UPL-WSJ-004. ary Indicators (minimum of two required face Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2)
Restrictive Layer (if obser Type: Larg Depth (inches):	ge roots 7 met. A restrictiv tors: <u>n of one is requi</u>	red; check all that apply) Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living F Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled So Thin Muck Surface (C7) Gauge or Well Data (D9)	ed. The soil is not hyd	ric at DP-UPL-WSJ-004. ary Indicators (minimum of two required face Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2)

Remarks:

No primary or secondary indicators of wetland hydrology are met. There is wetland hydrology at DP-UPL-WSJ-004-2.

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

(includes capillary fringe)

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

			,
Project/Site: New Westville to West Manchester	City/County: Preble	Sampling Date: 6/1	4/2023
Applicant/Owner: AES		State: OH Sampling Point: DP	WSJ-005
Investigator(s): Stuart Jennings, Anna Stover	Section, Township, Ran	ge: <u>36 9N 1E</u>	
Landform (hillside, terrace, etc.): terrace	Local relief (co	ncave, convex, none): concave	
Slope (%): 0-1 Lat: 39.8351228°	Long: <u>-84.7050242</u> °ř	Datum: NAD 83 OH.S	
Soil Map Unit Name: Kokomo silty clay loam		NWI classification: NA	
Are climatic / hydrologic conditions on the site typical for this time of ye	ear? Yes	No X (If no, explain in Remarks.)	
Are Vegetation N , Soil N , or Hydrology Y significantly dist	urbed? Are "Normal Ci	rcumstances" present? Yes No _ X	
Are Vegetation N, Soil N, or Hydrology N naturally problem	natic? (If needed, exp	lain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing		ations, transects, important feature	es, etc.
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No Remarks: All Three wetland parameters are present at DP-WSJ-005; this area of suggest drier than normal conditions at time of data collection. Locate		Yes X No drologic and climatologic data, over past 3 mor	nths,
VEGETATION – Use scientific names of plants.			
	ominant Indicator species? Status	Dominance Test worksheet:	
1.		Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u>	(A)
3		Total Number of Dominant Species Across All Strata: 3	(B)
5	otal Cover	Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0%	(A/B)
1. Fraxinus pennsylvanica 15	Yes FACW	Prevalence Index worksheet:	
2.		Total % Cover of: Multiply by:	
3.		OBL species 100 x 1 = 100	_

Sapling/Shrub Stratum (Plot size: 15)		_						
1. Fraxinus pennsylvanica	15	Yes	FACW	Prevalence Index	workshe	eet:		
2.				Total % Cover	r of:	Mult	tiply by:	
3.				OBL species	100	x 1 =	100	
4.				FACW species	15	x 2 =	30	
5.				FAC species	15	x 3 =	45	
	15	=Total Cover		FACU species	0	x 4 =	0	
Herb Stratum (Plot size: 5)		_		UPL species	0	x 5 =	0	
1. Typha latifolia	90	Yes	OBL	Column Totals:	130	(A)	175	(B)
2. Scirpus atrovirens	10	No	OBL	Prevalence Inde	x = B/A	=	1.35	
3.								
4.				Hydrophytic Vege	tation In	dicators:		
5.				1 - Rapid Test	for Hydro	ophytic Ve	egetation	
6.				X 2 - Dominance	Test is >	>50%		
7.				X 3 - Prevalence	Index is	≤3.0 ¹		
8.				4 - Morphologio	cal Adap	tations ¹ (F	Provide su	pporting
9.				data in Rem	arks or c	on a separ	ate sheet)
10.				Problematic Hy	ydrophyti	ic Vegetat	ion ¹ (Expl	ain)
	100	=Total Cover		¹ Indicators of hydrid	c soil and	d wetland	hydrology	must
<u>Woody Vine Stratum</u> (Plot size: 30)		_		be present, unless				
1. Toxicodendron radicans	15	Yes	FAC	Hydrophytic				
2.				Vegetation				
	15	=Total Cover		•	es <u>X</u>	No		

Remarks: (Include photo numbers here or on a separate sheet.)

The dominance test, and prevalence index are met. The vegetation is hydrophytic at DP-WSJ-005.

Profile Des	cription: (Descril	pe to the depth	n needed to doo	cument tl	ne indica	ator or	confirm the absence	of indicators.)
Depth	Matrix	<u> </u>	Red	ox Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-10	10YR 4/1	80	10YR 3/6	20	С	М	Loamy/Clayey	Prominent redox concentrations
¹ Type: C=C	oncentration, D=D	epletion, RM=F	Reduced Matrix,	MS=Mas	ked San	d Grains	s. ² Location	: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:	•						rs for Problematic Hydric Soils ³ :
Histosol			Sandy Gl	eyed Mat	rix (S4)			t Prairie Redox (A16)
	pipedon (A2)		Sandy Re		· · /			Manganese Masses (F12)
	istic (A3)		Stripped		5)			Parent Material (F21)
	en Sulfide (A4)		Dark Surf	face (S7)	,			Shallow Dark Surface (F22)
	d Layers (A5)		Loamy M		eral (F1)			r (Explain in Remarks)
2 cm Mu	uck (A10)		Loamy G	leyed Mat	rix (F2)			
Deplete	d Below Dark Surfa	ace (A11)	X Depleted	Matrix (F	3)			
Thick Da	ark Surface (A12)		Redox Da	ark Surfac	e (F6)		³ Indicator	s of hydrophytic vegetation and
Sandy N	/lucky Mineral (S1)		Depleted	Dark Sur	face (F7))	wetla	ind hydrology must be present,
5 cm Mu	ucky Peat or Peat	(S3)	Redox De	epression	s (F8)		unles	ss disturbed or problematic.
Restrictive	Layer (if observe	d):						
Type:	rocks/bo	oulders						
Depth (i	nches):	10	_				Hydric Soil Present	t? Yes X No
Remarks:								
	ndicator F3 deplete	ed matrix is me	t. Refusal from r	ock and b	oulders	is met a	at 10 inches.The soil is	hydric at DP-WSJ-005.
	·							-
HYDROLO	DGY							
Wetland Hy	drology Indicato	's:						
Primary Indi	cators (minimum o	of one is require	ed; check all that	t apply)			Seconda	ry Indicators (minimum of two required)
Surface	Water (A1)		Water-Sta	ained Lea	ves (B9)		Surfa	ace Soil Cracks (B6)
High Wa	ater Table (A2)		Aquatic F	auna (B1	3)		Drair	nage Patterns (B10)
X Saturati	on (A3)		True Aqu	atic Plant	s (B14)		Dry-S	Season Water Table (C2)
Water M	larks (B1)		Hydrogen	n Sulfide (Ddor (C1)	X Cray	fish Burrows (C8)
Sedime	nt Deposits (B2)		X Oxidized	Rhizosph	eres on I	Living R	Roots (C3) Satu	ration Visible on Aerial Imagery (C9)
Drift De	posits (B3)		Presence	of Reduc	ed Iron	(C4)	Stun	ted or Stressed Plants (D1)
Algal Ma	at or Crust (B4)		Recent Ir	on Reduc	tion in Ti	lled Soi		norphic Position (D2)
Iron Dep	oosits (B5)		Thin Muc	k Surface	(C7)		X FAC-	Neutral Test (D5)
	on Visible on Aeria		Ŭ	Well Dat	a (D9)			
Sparsel	y Vegetated Conca	ave Surface (B8	3)Other (Ex	plain in R	lemarks)			
Field Obser	rvations:							
Surface Wa	ter Present?	Yes	No <u>X</u>	Depth (i	nches):			
Water Table		Yes	No <u>X</u>	Depth (i				
Saturation F		Yes <u>X</u>	No	Depth (i	nches):	0	Wetland Hydrolog	gy Present? Yes X No
	pillary fringe)				-			
Describe Re	ecorded Data (strea	am gauge, mor	itoring well, aeri	al photos	, previou	s inspec	ctions), if available:	
Demonstra								

Remarks:

Three primary (Saturation, oxidized rhizospheres on living roots, inundation) and two secondary (crayfish burrows and the FAC-neutral test) indicators of wetland hydrology are observed. There is wetland hydrology at DP-WSJ-005. Area has erosion control BMPs in place to curtail erosion from field surface flow runoff. Saturated to Surface.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New We	estville to V	/est Manchester		City/Co	ounty: Preble		Sampling Date:	6/14/2023	
Applicant/Owner:	AES					State:	ОН	Sampling Point:	DP-UPL-WSJ-005
Investigator(s): Stuar	t Jennings,	Anna Stover		Section,	Township, Range:	36 9N 1	E		
Landform (hillside, te	rrace, etc.)	terrace			Local relief (concav	ve, conve	ex, none):	none	
Slope (%): 0-2	Lat: 39.8	350639°ř		Long:	-84.7050395°ř			Datum: NAD 83 OF	1.S
Soil Map Unit Name:	Kokomo s	Ity clay loam				N	IWI classi	fication: NA	
Are climatic / hydrolc	gic conditio	ons on the site ty	pical for this time of y	ear?	Yes No	Х	(If no, ex	olain in Remarks.)	
Are Vegetation N	, Soil <u>N</u>	, or Hydrology	N significantly dist	turbed?	Are "Normal Circum	nstances	" present?	Yes <u>X</u> No	» <u> </u>
Are Vegetation N	, Soil <u>N</u>	, or Hydrology	N naturally proble	matic?	(If needed, explain	any ansv	vers in Re	marks.)	
SUMMARY OF I		S – Attach si	te map showing	sampl	ing point location	ons, tra	ansects	, important fea	tures, etc.
Hydrophytic Vegeta	tion Preser	t? Yes	No X	ls th	ne Sampled Area				
Hydric Soil Present	?	Yes	No X	with	nin a Wetland?	Y	es	No X	
Wetland Hydrology	Present?	Yes	No X						
			WSJ-005. Hydrolog hin an active agricultu		matologic data, over	past 3 m	nonths, su	ggest drier than nor	mal

VEGETATION – Use scientific names of plants.

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:
1. <u>N/A</u>				Number of Dominant Species That
2				Are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant Species
4				Across All Strata: 2 (B)
5				Percent of Dominant Species That
		=Total Cover		Are OBL, FACW, or FAC: 50.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15)			
1. N/A				Prevalence Index worksheet:
2.				Total % Cover of: Multiply by:
3.				OBL species 0 x 1 = 0
4.				FACW species 0 x 2 = 0
5.				FAC species 30 x 3 = 90
		=Total Cover		FACU species 30 x 4 = 120
Herb Stratum (Plot size: 5)				UPL species 50 x 5 = 250
1. Zea mays	50	Yes	UPL	Column Totals: 110 (A) 460 (B)
2. Setaria pumila	30	Yes	FAC	Prevalence Index = B/A = 4.18
3. Arctium minus	15	No	FACU	
4. Bromus inermis	10	No	FACU	Hydrophytic Vegetation Indicators:
5. Capsella bursa-pastoris	5	No	FACU	1 - Rapid Test for Hydrophytic Vegetation
6				2 - Dominance Test is >50%
7.				3 - Prevalence Index is ≤3.0 ¹
8.				4 - Morphological Adaptations ¹ (Provide supporting
9.				data in Remarks or on a separate sheet)
10.				Problematic Hydrophytic Vegetation ¹ (Explain)
	110	=Total Cover		¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size: 30)			be present, unless disturbed or problematic.
1. <u>N/A</u>				Hydrophytic
2				Vegetation
		=Total Cover		Present? Yes No X
Demonstres (Include whethe numbers have an energy				

Remarks: (Include photo numbers here or on a separate sheet.)

No hydrophytic vegetation indicators are met. The vegetation is not hydrophytic at DP-UPL-WSJ-005.

Profile Deso Depth	cription: (Describe Matrix	to the dept		u ment t x Featur		ator or	confirm the absence	of indicators	5.)	
(inches)	Color (moist)	%	Color (moist)	x reatur %	Type ¹	Loc ²	Texture		Remarks	
0-18	10YR 3/1	100		70	турс	200	Loamy/Clayey		Tilled soils	
0-10	1018 3/1	100					Loamy/Clayey	-	Tilled Solis	
	oncentration, D=Dep	letion RM-	Reduced Matrix		ked San	d Graine		PI - Pore I	ining, M=Matri	v
Hydric Soil				10-11103	Keu Oan				matic Hydric	
Histosol			Sandy Gle	ved Mat	rix (S4)			st Prairie Red	-	
	oipedon (A2)		Sandy Red	-				-Manganese N		
Black Hi			Stripped N	• • •				Parent Mater		
	n Sulfide (A4)		Dark Surfa	``	,				surface (F22)
	Layers (A5)		Loamy Mu					er (Explain in I	•	1
	ick (A10)		Loamy Gle	-				//		
	Below Dark Surfac	e (A11)	Depleted N							
	ark Surface (A12)	()	Redox Dar		-		³ Indicato	rs of hydroph	ytic vegetation	and
	lucky Mineral (S1)		Depleted [)		• • •	must be pres	
	icky Peat or Peat (S	3)	Redox Dep		• • •				or problematic.	
Restrictive	Layer (if observed)	:								
Type:	, ,									
Depth (ir	nches):						Hydric Soil Preser	it?	Yes	No X
HYDROLC	GY									
Wetland Hy	drology Indicators:									
Primary Indi	cators (minimum of	one is requir	ed; check all that	apply)			Seconda	ary Indicators	(minimum of ty	vo required)
Surface	Water (A1)		Water-Sta		· · ·			ace Soil Crac	()	
	iter Table (A2)		Aquatic Fa		-			nage Patterns		
Saturatio			True Aqua					Season Wate		
	arks (B1)		Hydrogen					fish Burrows		(00)
	nt Deposits (B2)		Oxidized F			-			on Aerial Imag	
	posits (B3)		Presence			. ,			ed Plants (D1)	
	it or Crust (B4) osits (B5)		Recent Iro Thin Muck			lieu Sol	. ,	morphic Posit -Neutral Test		
	on Visible on Aerial I	magery (B7)			. ,				(00)	
	Vegetated Concave									
Field Obser	_		or (2,4							
Surface Wat		es	No X	Denth (i	nches):					
Water Table		es			nches):					
Saturation P		es			nches):		Wetland Hydrolo	av Present?	Yes	No <u>X</u>
(includes ca				(· · · ·	
	corded Data (stream	n gauge, moi	nitoring well, aeria	l photos	, previou	s inspe	ctions), if available:			
	``			·	·		,			
Remarks:							-			
No primary o	or secondary indicate	ors of wetlan	d hydrology are m	et. The	re is not v	vetland	hydrology at DP-UPL-	WSJ-005.		

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New Wo	estville to West Manchester	City/Cc	ounty: Preble			Sampling Date:	6/15/2023
Applicant/Owner:	AES			State:	ОН	Sampling Point:	DP-WSJ-006-1
Investigator(s): Stuar	rt Jennings, Anna Stover	Section,	, Township, Range:	36 9N	1E		
Landform (hillside, te	errace, etc.): <u>Terrace</u>		Local relief (concav	ve, conv	/ex, none):	concave	
Slope (%): 0-2	Lat: <u>39.8328622°</u>	Long:	: -84.7185191°ř			Datum: NAD 83 OF	1.S
Soil Map Unit Name:	Sloan Sandy Substratum; 0-2% slopes; Frequentl	ly Flood	ed	<u> </u>	fication: NA		
Are climatic / hydrolc	ogic conditions on the site typical for this time of year	ar?	Yes No	<u>х</u>	(If no, exp	plain in Remarks.)	
Are Vegetation N	_, Soil <u>N</u> , or Hydrology <u>N</u> significantly distu	urbed?	Are "Normal Circum	nstance	s" present?	? Yes <u>X</u> No) <u> </u>
Are Vegetation N	, Soil <u>N</u> , or Hydrology <u>N</u> naturally problem	natic?	(If needed, explain a	any ans	wers in Re	marks.)	
SUMMARY OF	FINDINGS – Attach site map showing s	sampli	ing point location	ons, tr	ransects	, important fea	tures, etc.
		Т					

Hydrophytic Vegetation Present?	Yes X	No	Is the Sampled Area			
Hydric Soil Present?	Yes X	No	within a Wetland?	Yes	Х	No
Wetland Hydrology Present?	Yes X	No				

Remarks:

All three wetland parameters are present at DP-WSJ-006-1; this area consists of a PEM portion to a wetland. Hydrologic and climatologic data, over past 3 months, suggest drier than normal conditions at time of data collection.

VEGETATION - Use scientific names of plants.

					Absolute	Dominant	Indicator		
Tre	e Stratum	(Plot size:	30)	% Cover	Species?	Status	Dominance Test worksheet:	
1.								Number of Dominant Species That	
2.								Are OBL, FACW, or FAC: 5 ((A)
3.								Total Number of Dominant Species	
4.								Across All Strata: 6 ((B)
5.								Percent of Dominant Species That	
						=Total Cover		•	(A/B)
Sa	oling/Shrub Stra	<u>atum</u> (Plot	size:	15)				
1.	Fraxinus penn	sylvanica			30	Yes	FACW	Prevalence Index worksheet:	
2.	Cornus amom	um			10	Yes	FACW	Total % Cover of: Multiply by:	
3.								OBL species 0 x 1 = 0	
4.								FACW species 130 x 2 = 260	
5.								FAC species 45 x 3 = 135	
					40	=Total Cover		FACU species 35 x 4 = 140	
He	r <u>b Stratum</u>	(Plot size:	5)				UPL species 0 x 5 = 0	
1.	Solidago cana	densis			35	Yes	FACU	Column Totals: 210 (A) 535 ((B)
2.	Equisetum hye	emale			30	Yes	FACW	Prevalence Index = B/A = 2.55	
3.	Carex shortian	а			25	Yes	FACW		
4.	Carex grayi				20	No	FACW	Hydrophytic Vegetation Indicators:	
5.	Carex blanda				15	No	FAC	1 - Rapid Test for Hydrophytic Vegetation	
6.	Apocynum can	nabinum			15	No	FAC	X 2 - Dominance Test is >50%	
7.	Carex annecte	ens			5	No	FACW	X 3 - Prevalence Index is ≤3.0 ¹	
8.	Phalaris arund	linacea			5	No	FACW	4 - Morphological Adaptations ¹ (Provide supp	orting
9.	Agrostis gigan	tea			5	No	FACW	data in Remarks or on a separate sheet)	
10.								Problematic Hydrophytic Vegetation ¹ (Explair	า)
					155	=Total Cover		¹ Indicators of hydric soil and wetland hydrology m	nust
Wo	ody Vine Strat	um (Plot	size:	30)			be present, unless disturbed or problematic.	
1.	Toxicodendron	n radicans			15	Yes	FAC	Hydrophytic	
2.								Vegetation	
					15	=Total Cover		Present? Yes X No	

Remarks: (Include photo numbers here or on a separate sheet.)

The dominance test, and prevalence index are met. The vegetation is hydrophytic at DP-WSJ-006-1.

Remarks:

Two primary (saturation and oxidized rhizospheres on living roots) and two secondary (FAC-neutral test & Geomorphic Position) indicators of wetland hydrology are observed. Datapoint is located in a floodplain. There is wetland hydrology at DP-WSJ-006-1.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New Westville to West Manchester		City/Cou	nty: Preble				Sampling	Date:	6/15/	2023
Applicant/Owner: AES				S	tate: 0	ЭН	Sampling	Point:	DP-W	SJ-006-2
Investigator(s): Stuart Jennings, Anna Stover		Section, 1	rownship, Rar	nge: 3	6 9N 1E					
Landform (hillside, terrace, etc.): Terrace			Local relief (co	_		none): (concave			
Slope (%): 0-2 Lat: 39.8328713°			84.7188790°r		, ,		Datum: NA	D 83 OF	15	
Soil Map Unit Name: Sloan silt loam		Long.	04.11001001				ication: NA		1.0	
•		£	Vaa	Nia						
Are climatic / hydrologic conditions on the site typical for			Yes				lain in Rem			
Are Vegetation <u>N</u> , Soil <u>N</u> , or Hydrology <u>N</u> si			Are "Normal C)	-
Are Vegetation <u>N</u> , Soil <u>N</u> , or Hydrology <u>N</u> na	aturally prol	olematic? (If needed, exp	plain an	y answers	s in Rer	narks.)			
SUMMARY OF FINDINGS – Attach site ma	p showiı	ng samplir	ng point lo	catior	ns, trans	sects,	importa	nt fea	tures	s, etc.
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No			e Sampled Are n a Wetland?		Yes	<u> </u>	No			
Remarks: All three wetland parameters are present at DP-WSJ-0 antecedent precipitation calculations, hydrologic and cl							0		nth	
VEGETATION – Use scientific names of plan	its.									
Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Domi	inance Te	est wor	ksheet:			
1. Fraxinus pennsylvanica	20	Yes	FACW	Num	per of Dor	ninant S	Species Th	at		
2. Populus deltoides	15	Yes	FAC	Are C	BL, FAC	W, or F	AC:		7	(A)
3. Betula nigra	10	Yes	FACW	Total	Number of	of Domi	nant Speci	es		
4. Morus nigra	5	No	UPL	Acros	ss All Stra	ta:			7	(B)
5							Species Tha			
Cardina/Charle Charles (Distaires 45)	50	=Total Cover		Are C	BL, FAC	W, or F	AC:	10	0.0%	(A/B)
Sapling/Shrub Stratum (Plot size: 15)	20	Yes	FACW	Brow	alence In	dox wo	rkehoot:			
Fraxinus pennsylvanica Cornus amomum	15	Yes	FACW		Total % C			Multiply	by:	
3.	10	100		-	species	8			8	-
4.	,				V species				300	-
5.					species	15		-	45	-
	35	=Total Cover			J species	10) x 4	= .	40	-
Herb Stratum (Plot size: 5)				UPL	species	5	x 5	=	25	
1. Solidago canadensis	40	Yes	FACW	Colur	nn Totals	: 18	8 (A)	4	118	(B)
2. Equisetum hyemale	25	Yes	FACW	Pre	evalence	Index =	= B/A =	2.22	2	
3. Cirsium arvense	10	No	FACU							
4. Agrostis gigantea	20	No	FACW	Hydr	ophytic V	/egetati	on Indicat	ors:		
5. Asclepias incarnata	8	No	OBL	1	- Rapid 1	Fest for	Hydrophyti	c Veget	ation	
6							st is >50%			
7							lex is ≤3.0 ¹	1		
8				4	•	•	Adaptation	`		
9				_			s or on a s		,	
10	400	Tatal Original				•	ophytic Veg		•••	,
Woody Vine Stratum (Plot size: 30)	103	=Total Cover					bil and wetla turbed or p			must
1				-	ophytic tation					

=Total Cover

Present?

Yes X

No

Remarks: (Include photo numbers here or on a separate sheet.)

The dominance test, and prevalence index are met. The vegetation is hydrophytic at DP-WSJ-006-2.

Depth	Matrix	to the dep		ument t x Featur		ator or	confirm the absence	of Indicators.)
(inches)	Color (moist)	%	Color (moist)	% «	Type ¹	Loc ²	Texture	Remarks
0-7	10YR 4/1	100					Loamy/Clayey	
	10YR 4/1		7.5YR 3/4	10		DI		Prominent redox concentrations
7-16	10YR 4/1	90	7.51R 3/4	10	С	PL	Loamy/Clayey	Prominent redox concentrations
	_	· ·						
					·			
	_				·			
	_							
	_							
¹ Type: C=0	Concentration, D=Dep	letion, RM	=Reduced Matrix, N	MS=Mas	ked San	d Grains	s. ² Location	: PL=Pore Lining, M=Matrix.
Hydric Soi	I Indicators:						Indicator	s for Problematic Hydric Soils ³ :
Histoso	ol (A1)		Sandy Gle	eyed Mat	trix (S4)			t Prairie Redox (A16)
Histic E	Epipedon (A2)		Sandy Red	dox (S5)				Manganese Masses (F12)
	Histic (A3)		Stripped M	``	,			Parent Material (F21)
	en Sulfide (A4)		Dark Surfa					Shallow Dark Surface (F22)
	ed Layers (A5)		Loamy Mu	-			Other	r (Explain in Remarks)
	luck (A10)		Loamy Gle	•	• •			
· ·	ed Below Dark Surface	e (A11)	X Depleted M				31	
	Dark Surface (A12) Mucky Mineral (S1)		Redox Dai Depleted [• •	`		s of hydrophytic vegetation and nd hydrology must be present,
	lucky Peat or Peat (St	3)	Redox Depleted I		• •)		s disturbed or problematic.
		-		pression	IS (I 0)		unica	is disturbed of problematic.
	e Layer (if observed):							
Type: Depth ((inches):						Hydric Soil Present	? Yes X No
Remarks:	(incres).						Thyane oon Tresent	
	indicator depleted ma				-0033-00	0-2.		
HYDROL	OGY							
Wetland H	ydrology Indicators:							
Primary Ind	dicators (minimum of o	one is requ	ired; check all that	apply)			Secondar	y Indicators (minimum of two required)
	e Water (A1)		Water-Sta		()			ice Soil Cracks (B6)
Ŭ	/ater Table (A2)		Aquatic Fa	•	,			age Patterns (B10)
X Saturat	()		True Aqua					Season Water Table (C2)
	Marks (B1)		Hydrogen			-		fish Burrows (C8)
	ent Deposits (B2)		X Oxidized F			-		ation Visible on Aerial Imagery (C9) ed or Stressed Plants (D1)
	eposits (B3) lat or Crust (B4)		Presence Recent Iro			```		norphic Position (D2)
	eposits (B5)		Thin Muck			lieu Sui	· · ·	Neutral Test (D5)
	tion Visible on Aerial I	magery (B			. ,			
	ly Vegetated Concave							
Field Obse		,	, <u> </u>		,			
	ater Present? Ye	es	No X	Depth (i	inches):			
Water Tabl	e Present? Ye	es		Depth (i	· -			
Saturation		es X		Depth (i		13	Wetland Hydrolog	gy Present? Yes X No
(includes ca	apillary fringe)						_	
Describe R	ecorded Data (stream	gauge, m	onitoring well, aeria	al photos	, previou	s inspe	ctions), if available:	
Remarks:								

One primary (saturation, oxidized rhizospheres on living roots, and floodplain location) and one secondary (geomorphic position) indicator of wetland hydrology are observed. Datapoint is located in a floodplain. There is wetland hydrology at DP-WSJ-006-2.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

		· • • • • • •								
Project/Site: New W	/estville to We	st Mancheste	r	City/Co	unty: Preble			Sampling Date	e: 6/1	5/2023
Applicant/Owner:	AES					State:	ОН	Sampling Point	t: DP-'	WSJ-006-3
Investigator(s): Stua	rt Jennings, A	nna Stover		Section,	Township, Ra	nge: <u>36 9N ′</u>	1E			
Landform (hillside, to	errace, etc.):	Ferrace			Local relief (c	concave, conv	ex, none):	concave		
Slope (%): 0-2	Lat: 39.833	,0494°j		Long:	-84.7196644°	•		Datum: NAD 83	OH.S	
Soil Map Unit Name	: Sloan silt lo <i>ɛ</i>	ım				N	VWI classi	fication: NA		
Are climatic / hydrol	ogic condition	s on the site ty	ypical for this tim	e of year?	Yes	No X	(If no, exp	olain in Remarks.)	
Are Vegetation N	, Soil N	, or Hydrology	N significant	ly disturbed?				Yes X		
Are Vegetation N		-			(If needed, ex					-
SUMMARY OF		-				-			eature	es, etc.
Hydrophytic Vegeta Hydric Soil Present Wetland Hydrology	t?	Yes X Yes X Yes X			ne Sampled Ai hin a Wetland?		Yes X	No		
Remarks: All Three wetland p past 3 months, sug		•				tion to a wetla	and. Hydro	logic and climatol	logic da	ıta, over
VEGETATION -	- Use scienf	tific names	of plants.							
Tree Stratum	(Plot size:	30	Absolute) % Cove		Indicator Status	Dominance	e Test wo	rksheet:		
1. Betula nigra			40	Yes	FACW	Number of	Dominant	Species That		
2. Acer negundo			30	Yes	FAC	Are OBL, F	ACW, or F	AC:	4	(A)
3.						Total Numb	per of Dom	inant Species		

2. Acer negundo	30	Yes	FAC	Are OBL, FACW, or FAC:	4	(A)
3. 4.				Total Number of Dominant Species Across All Strata:	4	(B)
5	70	=Total Cover		Percent of Dominant Species That Are OBL, FACW, or FAC:	100.0%	_(A/B)
Comparing Formation Control of the contro				Prevalence Index worksheet: Total % Cover of: Mu	ltiply by:	_
3				OBL species 0 x 1 =	0	_
4				FACW species 150 x 2 =	300	_
5				FAC species 45 x 3 =	135	_
Use Charter (Distaire)		=Total Cover		FACU species 0 x 4 = UPL species 0 x 5 =	0	-
Herb Stratum (Plot size: 5) 1. Solidago canadensis	100	Yes	FACW	UPL species 0 $x 5 =$ Column Totals: 195 (A)	435	(B)
2. Pilea pumila	100	No	FACW	Prevalence Index = B/A =	2.23	_(D)
3			17.011		2.20	-
4				Hydrophytic Vegetation Indicators	:	
5.				1 - Rapid Test for Hydrophytic V		
6.				X 2 - Dominance Test is >50%		
7.				X 3 - Prevalence Index is ≤3.0 ¹		
8.				4 - Morphological Adaptations ¹ (Provide su	pporting
9.				data in Remarks or on a sepa	rate sheet))
10				Problematic Hydrophytic Vegeta	tion ¹ (Expl	ain)
Woody Vine Stratum (Plot size: 30	<u>110</u>)	=Total Cover		¹ Indicators of hydric soil and wetland be present, unless disturbed or prob		must
1. Toxicodendron radicans	15	Yes	FAC	Hydrophytic		
	15	=Total Cover		Vegetation Present? Yes X No		
		、				

Remarks: (Include photo numbers here or on a separate sheet.) The dominance test is met. The vegetation is hydrophytic at DP-WSJ-006-3.

Depth	Matrix		Redc	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3	10YR 3/1	100	· · · · ·				Loamy/Clayey	
3-16	10Y 4/1	90	7.5YR 3/4	10	С	PL	Loamy/Clayey	Prominent redox concentrations
						<u> </u>		
		• •						
		· ·						
	· · · · · · · · · · · · · · · · · · ·	· ·						
¹ Type: C=C	oncentration, D=Dep	letion. RM	=Reduced Matrix. I	MS=Mas	ked Sand	Grains	² Locatio	n: PL=Pore Lining, M=Matrix.
Hydric Soil								ors for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)		Coa	st Prairie Redox (A16)
Histic E	pipedon (A2)		Sandy Re	dox (S5)			Iron	-Manganese Masses (F12)
Black H	istic (A3)		Stripped N	latrix (Se	6)		Red	Parent Material (F21)
	en Sulfide (A4)		Dark Surfa				Ver	y Shallow Dark Surface (F22)
	d Layers (A5)		Loamy Mu		eral (F1)			er (Explain in Remarks)
	uck (A10)		X Loamy Gle	-				
	d Below Dark Surfac	e (A11)	Depleted I	•	. ,			
	ark Surface (A12)	()	 Redox Da	-			³ Indicato	ors of hydrophytic vegetation and
	/ucky Mineral (S1)		Depleted [. ,			and hydrology must be present,
	ucky Peat or Peat (S	3)	 Redox De					ess disturbed or problematic.
Restrictive	Layer (if observed)	:						
Type:								
Type: Depth (i	nches):						Hydric Soil Preser	nt? Yes <u>X</u> No
• •	nches):						Hydric Soil Preser	nt? Yes <u>X</u> No
Depth (i Remarks:		ed below d	ark surface A11. lo	amv alev	ed matri	x F2. Th		
Depth (i Remarks:		ed below d	ark surface A11, loa	amy gley	ed matriz	x F2. Th	Hydric Soil Preser	
Depth (i Remarks:		ed below d	ark surface A11, lo	amy gley	ed matri	x F2. Th		
Depth (i Remarks:		ed below d	ark surface A11, lo	amy gley	ed matri:	x F2. Th		
Depth (i Remarks: Two hydric s	soil indicators deplete	ed below d	ark surface A11, lo	amy gley	ed matriz	x F2. Th		
Depth (i Remarks: Two hydric s	soil indicators deplete		ark surface A11, lo	amy gley	ed matri:	x F2. Th		
Depth (i Remarks: Two hydric s HYDROLC Wetland Hy	soil indicators deplete				red matrix	x F2. Th	e soil is hydric at DP	
Depth (i Remarks: Two hydric s HYDROLO Wetland Hy Primary Indi	soil indicators deplete DGY rdrology Indicators:			apply)		x F2. Th	e soil is hydric at DP-	
Depth (i Remarks: Two hydric s HYDROL(Wetland Hy Primary Indi Surface	soil indicators deplete DGY rdrology Indicators:		ired; check all that	apply) ined Lea	ves (B9)	x F2. Th	e soil is hydric at DP-	WSJ-006-3. ary Indicators (minimum of two require
Depth (i Remarks: Two hydric s HYDROL(Wetland Hy Primary Indi Surface	Soil indicators deplete DGY drology Indicators: icators (minimum of e Water (A1) ater Table (A2)		i <u>red; check all that</u> Water-Sta	apply) ined Lea auna (B1	ves (B9) 3)	x F2. Th	e soil is hydric at DP-	WSJ-006-3. ary Indicators (minimum of two requir face Soil Cracks (B6)
Depth (i Remarks: Two hydric s HYDROLC Wetland Hy Primary Indi Surface High Wa X Saturati	Soil indicators deplete DGY drology Indicators: icators (minimum of e Water (A1) ater Table (A2)		iired; check all that Water-Sta Aquatic Fa	apply) ined Lea auna (B1 tic Plant	ves (B9) 3) s (B14)		e soil is hydric at DP- <u>Seconda</u> Surl Drai Dry-	WSJ-006-3. ary Indicators (minimum of two requir face Soil Cracks (B6) nage Patterns (B10)
Depth (i Remarks: Two hydric s HYDROLO Wetland Hy Primary Indi Surface High Wa X Saturati Water M	Soil indicators deplete DGY rdrology Indicators: icators (minimum of of Water (A1) ater Table (A2) on (A3)		i <u>ired; check all that</u> Water-Sta Aquatic Fa True Aqua	apply) ined Lea auna (B1 tic Plant Sulfide (ves (B9) 3) s (B14) Ddor (C1))	e soil is hydric at DP-	WSJ-006-3. ary Indicators (minimum of two requir face Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2)
Depth (i Remarks: Two hydric s HYDROLO Wetland Hy Primary Indi Surface High Wa X Saturati Water M Sedime	DGY rdrology Indicators: cators (minimum of e Water (A1) ater Table (A2) on (A3) farks (B1)		i <u>ired; check all that</u> Water-Sta Aquatic Fa True Aqua Hydrogen	apply) ined Lea auna (B1 titc Plant Sulfide (Rhizosph	ves (B9) 3) s (B14) Ddor (C1 eres on I) _iving Ro	e soil is hydric at DP-	WSJ-006-3. ary Indicators (minimum of two requir face Soil Cracks (B6) inage Patterns (B10) Season Water Table (C2) yfish Burrows (C8)
Depth (i Remarks: Two hydric s HYDROLO Wetland Hy Primary Indi Surface High Wa X Saturati Water M Sedime Drift De	oGY drology Indicators: <u>cators (minimum of c</u> Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2)		iired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F	apply) ined Lea auna (B1 ttic Plant Sulfide (Rhizosph of Reduc	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron () Living Ro	e soil is hydric at DP-	WSJ-006-3. ary Indicators (minimum of two requir ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9)
Depth (i Remarks: Two hydric s HYDROLC Wetland Hy Primary Indi Surface High Wa X Saturati Water M Sedime Drift De Algal Ma	DGY rdrology Indicators: icators (minimum of of Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3)		iired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tion in Ti) Living Ro	e soil is hydric at DP-	WSJ-006-3. ary Indicators (minimum of two requir face Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1)
Depth (i Remarks: Two hydric s HYDROLC Wetland Hy Primary Indi Surface High Wa X Saturati Water M Sedime Drift Dep Algal Ma Iron Dep	DGY rdrology Indicators: icators (minimum of of Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)	one is requ	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc on Reduc Surface	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tion in Ti (C7)) Living Ro	e soil is hydric at DP-	WSJ-006-3. ary Indicators (minimum of two require face Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2)
Depth (i Remarks: Two hydric s HYDROLO Wetland Hy Primary Indi Surface High Wa X Saturati Water M Sedime Drift De Algal Ma Iron De X Inundati	DGY drology Indicators: cators (minimum of of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	one is requ	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck 7) Gauge or	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc surface Well Dat	ves (B9) 3) s (B14) Ddor (C1 eres on I ced Iron (tion in Ti (C7) a (D9)) Living Ro	e soil is hydric at DP-	WSJ-006-3. ary Indicators (minimum of two require face Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2)
Depth (i Remarks: Two hydric s HYDROLO Wetland Hy Primary Indi Surface High Wa X Saturati Water M Sedime Drift De Algal Ma Iron De X Inundati	DGY rdrology Indicators: icators (minimum of of Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial I y Vegetated Concave	one is requ	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck 7) Gauge or	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc surface Well Dat	ves (B9) 3) s (B14) Ddor (C1 eres on I ced Iron (tion in Ti (C7) a (D9)) Living Ro	e soil is hydric at DP-	WSJ-006-3. ary Indicators (minimum of two require face Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2)
Depth (i Remarks: Two hydric s HYDROLO Wetland Hy Primary Indi Surface High Wa X Saturati Water M Sedime Drift De Algal Ma Iron Deg X Inundati Sparsel	DGY rdrology Indicators: icators (minimum of of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial I y Vegetated Concave rvations:	one is requ magery (B e Surface (iired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck 7) Gauge or B8) X Other (Exp	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc Sulface Well Dat blain in R	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tion in Ti (C7) a (D9) cemarks)) Living Ro C4) Iled Soil	e soil is hydric at DP-	WSJ-006-3. ary Indicators (minimum of two require face Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2)
Depth (i Remarks: Two hydric s HYDROLO Wetland Hy Primary Indi Surface High Wa X Saturati Water M Sedime Drift De Algal Ma Iron Deg X Inundati Sparsel	DGY rdrology Indicators: reators (minimum of of Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial I y Vegetated Concave rvations: ter Present? Ye	one is requ magery (B e Surface (iired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck 7) Gauge or B8) X Other (Exp No X	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc on Reduc Surface Well Dat blain in R	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tion in Ti (C7) a (D9) temarks) nches): _) Living Ro C4) Iled Soil:	e soil is hydric at DP-	WSJ-006-3. ary Indicators (minimum of two require face Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2)
Depth (i Remarks: Two hydric s HYDROLC Wetland Hy Primary Indi Surface High Wa X Saturati Water M Sedime Drift De Algal Ma Iron Dep X Inundati Sparsel Surface Wa	DGY rdrology Indicators: cators (minimum of e Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial I y Vegetated Concave rvations: ter Present? Ye	one is requ magery (B e Surface (es	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck 7) Gauge or B8) X Other (Exp No X No X	apply) ined Lea auna (B1 titc Plant Sulfide (Rhizosph of Reduc n Reduc s Surface Well Dat blain in R Depth (i Depth (i	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tion in Ti (C7) a (D9) temarks) cemarks): _ nches): _) Living Ro C4) Iled Soil:	e soil is hydric at DP-	WSJ-006-3. Ary Indicators (minimum of two require face Soil Cracks (B6) Inage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) omorphic Position (D2) S-Neutral Test (D5)
Depth (i Remarks: Two hydric s HYDROLC Wetland Hy Primary Indi Surface High Wa X Saturati Water M Sedime Drift Dep Algal Ma Iron Dep X Inundati Sparsel Surface Wa Water Table Saturation F	DGY rdrology Indicators: cators (minimum of e Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial I y Vegetated Concave rvations: ter Present? Ye	one is requ magery (B e Surface (ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck 7) Gauge or B8) X Other (Exp No X No X	apply) ined Lea auna (B1 titc Plant Sulfide (Rhizosph of Reduc n Reduc s Surface Well Dat blain in R Depth (i Depth (i	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tion in Ti (C7) a (D9) temarks) nches): _) Living Ro C4) Iled Soil:	e soil is hydric at DP-	WSJ-006-3. Ary Indicators (minimum of two require face Soil Cracks (B6) Inage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) omorphic Position (D2) S-Neutral Test (D5)
Depth (i Remarks: Two hydric s HYDROLO Wetland Hy Primary Indi Surface High Wa X Saturati Water M Sedime Drift Dep Algal Ma Iron Dep X Inundati Sparsel Surface Wa Water Table Saturation F (includes ca	DGY rdrology Indicators: <u>cators (minimum of of</u> Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial I y Vegetated Concave rvations: ter Present? Ye Present? Ye	magery (B e Surface (es es	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck 7) Gauge or B8) X Other (Exp No X No X No X	apply) ined Lea auna (B1 titc Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (i Depth (i	ves (B9) 3) s (B14) Odor (C1 eres on I ced Iron (tion in Ti (C7) a (D9) eemarks) nches): nches):) Living Ro C4) Iled Soil:	e soil is hydric at DP-	WSJ-006-3. Ary Indicators (minimum of two require face Soil Cracks (B6) Inage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) omorphic Position (D2) S-Neutral Test (D5)
Depth (i Remarks: Two hydric s HYDROLO Wetland Hy Primary Indi Surface High Wa X Saturati Water M Sedime Drift De Algal Ma Iron Dep X Inundati Sparsel Surface Wa Water Table Saturation F (includes ca	DGY rdrology Indicators: icators (minimum of e Water (A1) ater Table (A2) on (A3) farks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial I y Vegetated Concave rvations: ter Present? Ye Present? Ye pillary fringe)	magery (B e Surface (es es	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck 7) Gauge or B8) X Other (Exp No X No X No X	apply) ined Lea auna (B1 titc Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (i Depth (i	ves (B9) 3) s (B14) Odor (C1 eres on I ced Iron (tion in Ti (C7) a (D9) eemarks) nches): nches):) Living Ro C4) Iled Soil:	e soil is hydric at DP-	WSJ-006-3. Ary Indicators (minimum of two require face Soil Cracks (B6) Inage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) omorphic Position (D2) S-Neutral Test (D5)
Depth (i Remarks: Two hydric s HYDROLO Wetland Hy Primary Indi Surface High Wa X Saturati Water M Sedime Drift De Algal Ma Iron Deg X Inundati Sparsel Surface Wa Water Table Saturation F (includes ca Describe Re	DGY rdrology Indicators: icators (minimum of e Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial I y Vegetated Concave rvations: ter Present? Ye Present? Ye pillary fringe) acorded Data (stream	magery (B e Surface (es es n gauge, m	iired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck 7) Gauge or B8) X Other (Exp No X No X No X No X	apply) ined Lea auna (B1 ttic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat Dlain in R Depth (i Depth (i	ves (B9) 3) s (B14) Odor (C1 eres on l ced Iron (tion in Ti (C7) a (D9) temarks) a (D9) temarks):) Living Ro C4) Iled Soil: 12 s inspec	e soil is hydric at DP-	WSJ-006-3. Ary Indicators (minimum of two require face Soil Cracks (B6) Inage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) omorphic Position (D2) S-Neutral Test (D5)

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New W	estville to We	st Manchester		City/Co	ounty: Preble			Sampling Date:	6/15/2023
Applicant/Owner:	AES					State:	OH	Sampling Point:	DP-UPL-WSJ-006-1
Investigator(s): Stuar	rt Jennings, A	nna Stover		Section,	, Township, Range:	36 9N 1	IE		
Landform (hillside, te	errace, etc.): _	Ferrace			Local relief (concav	ve, conve	ex, none)	: none	
Slope (%): 2-6	Lat: <u>39.832</u>	:9642°i		Long:	-84.7184733°i			Datum: NAD 83 OF	H.S
Soil Map Unit Name	: Celina silt lo	am				N	IWI class	sification: NA	
Are climatic / hydrolo	ogic condition	s on the site typ	bical for this time c	of year?	Yes No	<u>х</u>	(If no, ex	xplain in Remarks.)	
Are Vegetation N	, Soil <u>N</u> ,	or Hydrology	N significantly	disturbed?	Are "Normal Circum	nstances	" present	t? Yes <u>X</u> No	00
Are Vegetation N	, Soil <u>N</u> ,	or Hydrology	N naturally pro	blematic?	(If needed, explain	any ansv	vers in Re	emarks.)	
SUMMARY OF	FINDINGS	– Attach sit	e map showir	ng sampli	ing point location	ons, tra	ansect	s, important fea	itures, etc.
Hydrophytic Vegeta Hydric Soil Present Wetland Hydrology	t?	Yes Yes Yes	No <u>X</u> No <u>X</u> No X		ne Sampled Area hin a Wetland?	Y	/es	No_X	

Remarks:

Wetland parameters are not Present at DP-UPL-WSJ-006-1. Hydrologic and climatologic data, over past 3 months, suggest drier than normal conditions at time of data collection. Area is within an agricultural Field; Farmed.

VEGETATION - Use scientific names of plants.

			Absolute	e Dominant	Indicator				
Tree Stratum	(Plot size:	30) % Cover	Species?	Status	Dominance Test worksh	neet:		
1						Number of Dominant Spe	cies That		
2.						Are OBL, FACW, or FAC		0	(A)
3.						Total Number of Dominar	nt Species		
4.						Across All Strata:	· _	1	(B)
5.						Percent of Dominant Spe	cies That		
				=Total Cover		Are OBL, FACW, or FAC	: <u> </u>	0.0%	(A/B)
Sapling/Shrub St	<u>ratum</u> (Plot	size: 15	5)						
1. Populus delto	oides		2	No	FAC	Prevalence Index works	heet:		
2						Total % Cover of:	Mult	iply by:	
						OBL species 0	x 1 =	0	
4						FACW species 0	x 2 =	0	
5						FAC species 7		21	
			2	=Total Cover		FACU species 7	x 4 =	28	_
Herb Stratum	(Plot size:	5)	_		UPL species 50	x 5 =	250	
1. Glycine max			50	Yes	UPL	Column Totals: 64	(A)	299	(B)
2. Ambrosia arte	emisiifolia		5	No	FACU	Prevalence Index = B/	A = 4	1.67	
3. Ambrosia trific	da		5	No	FAC				_
4. Taraxacum of	fficinale		2	No	FACU	Hydrophytic Vegetation	Indicators:		
5.						1 - Rapid Test for Hy	drophytic Ve	getation	
6.						2 - Dominance Test is	s >50%		
7						3 - Prevalence Index	is ≤3.0 ¹		
0						4 - Morphological Ada	aptations ¹ (F	rovide su	pporting
0						data in Remarks o	r on a separ	ate sheet)
10.						Problematic Hydroph	ytic Vegetat	ion ¹ (Exp	lain)
			62	=Total Cover		¹ Indicators of hydric soil a	nd wetland	hydrology	/ must
Woody Vine Stra	<u>tum</u> (Plot	size: 30)	-		be present, unless disturb		, ,,	must
1						Hydrophytic			
2.						Vegetation			
				=Total Cover		Present? Yes	No	Х	
				\ \					

Remarks: (Include photo numbers here or on a separate sheet.)

No hydrophytic vegetation indicators are met. The vegetation is not hydrophytic at DP-UPL-WSJ-006-1.

(in a h a a)	Calan (masiat)			ox Feature	4	Loc ²	Tautuma	Demente
(inches)	Color (moist)	%	Color (moist)	%	Туре	LOC	Texture	Remarks
0-8	10YR 4/2	100					Loamy/Clayey	Clay loam
8-16	10YR 5/4	80	10YR 5/1	20	D	M	Loamy/Clayey	Silty clay loam
		· ·		·				
Type: C=Con	centration, D=Dep	letion, RM	=Reduced Matrix,	MS=Masl	ked San	d Grains		n: PL=Pore Lining, M=Matrix.
lydric Soil Ind	dicators:						Indicato	rs for Problematic Hydric Soils ³ :
Histosol (A	.1)		Sandy Gle	eyed Matr	rix (S4)		Coa	st Prairie Redox (A16)
Histic Epip	edon (A2)		Sandy Re	dox (S5)			Iron-	Manganese Masses (F12)
Black Histi	c (A3)		Stripped N	Matrix (S6	5)			Parent Material (F21)
Hydrogen S	Sulfide (A4)		Dark Surfa	ace (S7)			Very	Shallow Dark Surface (F22)
Stratified L			Loamy Mu	-			Othe	er (Explain in Remarks)
2 cm Muck			Loamy Gl	-				
	Below Dark Surface	э (А11)	Depleted		-		3	
	Surface (A12)		Redox Da					rs of hydrophytic vegetation and
	cky Mineral (S1)		Depleted					and hydrology must be present,
5 cm Muck	ky Peat or Peat (S3	3)	Redox De	pressions	s (F8)		unle	ss disturbed or problematic.
Restrictive La	yer (if observed):							
Туре:								
Depth (inch	hes):						Hydric Soil Presen	t? Yes No
	ndicators are met	The soil is	and hydric at DP-I		1-006-1			
	indicators are met.	The soil is	s not hydric at DP-।	UPL-WSJ	J-006-1.			
No hydric soil in IYDROLOG	SY.		s not hydric at DP-l	UPL-WS、	J-006-1.			
No hydric soil in YDROLOG Wetland Hydro	SY ology Indicators:				J-006-1.			
No hydric soil in IYDROLOG Wetland Hydro Primary Indicat	SY rology Indicators: tors (minimum of o		ired; check all that	apply)				ry Indicators (minimum of two requi
No hydric soil in IYDROLOG Netland Hydro Primary Indicat Surface Wa	BY rology Indicators: tors (minimum of o l'ater (A1)		ired; check all that Water-Sta	apply)	ves (B9)		Surfa	ace Soil Cracks (B6)
No hydric soil in IYDROLOG Netland Hydro Primary Indicat Surface Wa High Water	SY rology Indicators: tors (minimum of o 'ater (A1) rr Table (A2)		ired; check all that Water-Sta	<u>apply)</u> ained Lea auna (B1:	ves (B9) 3)		SurfaDrai	ace Soil Cracks (B6) nage Patterns (B10)
No hydric soil in YDROLOG Netland Hydro Primary Indicat Surface Wa High Water Saturation	SY rology Indicators: <u>tors (minimum of o</u> rater (A1) r Table (A2) (A3)		i <u>ired; check all that</u> Water-Sta Aquatic Fa True Aqua	apply) ained Lea auna (B1 atic Plants	ves (B9) 3) s (B14)		Surfa Drain Dry-	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2)
No hydric soil in IYDROLOG Netland Hydro Primary Indicat Surface Wa High Water Saturation Water Marl	SY rology Indicators: tors (minimum of o fater (A1) rr Table (A2) (A3) rks (B1)		ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen	ained Lea auna (B13 atic Plants Sulfide C	ves (B9) 3) s (B14) Ddor (C1)	Surfa Drain Dry- Cray	ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8)
No hydric soil in IYDROLOG Netland Hydro Primary Indicat Surface Wa High Water Saturation Water Marl Sediment [SY ology Indicators: <u>tors (minimum of o</u> later (A1) er Table (A2) (A3) rks (B1) Deposits (B2)		ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized f	ained Lea auna (B1 atic Plants Sulfide C Rhizospho	ves (B9) 3) s (B14) Ddor (C1 eres on l) ₋iving R	Surfa Drain Dry-i Cray oots (C3) Satu	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9
No hydric soil in IYDROLOG Wetland Hydro Primary Indicat Surface Wa High Water Saturation Water Marl Sediment [Drift Deposed	SY tology Indicators: tors (minimum of o 'ater (A1) er Table (A2) (A3) (A3) (ks (B1) Deposits (B2) sits (B3)		ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence	ained Lea auna (B1: atic Plants Sulfide C Rhizospho of Reduc	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron) ₋iving R [C4)	Surfa Draii Dry Cray oots (C3)Satu Stun	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9 ted or Stressed Plants (D1)
No hydric soil in IYDROLOG Wetland Hydro Primary Indicat Surface Wa High Water Saturation Water Marl Sediment I Sediment I Drift Depos Algal Mat c	BY rology Indicators: <u>tors (minimum of o</u> dater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4)		ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized f Presence Recent Iro	apply) ained Lea auna (B1 atic Plants Sulfide C Rhizospho of Reduc on Reduc	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron i tion in Ti) ₋iving R [C4)	Surfa Drain Dry Cray Cray Satu Stun Stun Stun	ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9 ted or Stressed Plants (D1) morphic Position (D2)
No hydric soil in IYDROLOG Wetland Hydro Primary Indicat Surface Wa Surface Wa Aligh Water Saturation Water Marl Sediment I Drift Depos Algal Mat c Iron Depos	BY rology Indicators: <u>tors (minimum of o</u> dater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4)	one is requ	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck	apply) ained Lea auna (B1 atic Plants Sulfide C Rhizospho of Reduc on Reduc k Surface	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tion in Ti (C7)) ₋iving R [C4)	Surfa Drain Dry Cray Cray Satu Stun Stun Stun	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9 ted or Stressed Plants (D1)
No hydric soil ii IYDROLOG Wetland Hydro Primary Indicat Surface Wa High Water Saturation Water Marl Sediment [Drift Depos Algal Mat co Iron Depos Inundation	GY rology Indicators: <u>tors (minimum of o</u> rater (A1) or Table (A2) (A3) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5)	one is requ	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or	ained Lea auna (B1 auna (B1 auna (B1 sulfide C Rhizospho of Reduc on Reduc k Surface Well Data	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tion in Ti (C7) a (D9)) ₋iving R [C4)	Surfa Drain Dry Cray Cray Satu Stun Stun Stun	ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9 ted or Stressed Plants (D1) morphic Position (D2)
No hydric soil ii A DROLOG Wetland Hydro Primary Indicat Surface Wa High Water Saturation Water Marl Sediment I Drift Depos Algal Mat co Iron Depos Inundation Sparsely V	BY tology Indicators: <u>tors (minimum of o</u> 'ater (A1) er Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) Visible on Aerial Ir /egetated Concave	one is requ	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or	ained Lea auna (B1 auna (B1 auna (B1 sulfide C Rhizospho of Reduc on Reduc k Surface Well Data	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tion in Ti (C7) a (D9)) ₋iving R [C4)	Surfa Drain Dry Cray Cray Satu Stun Stun Stun	ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9 ted or Stressed Plants (D1) morphic Position (D2)
HYDROLOG Wetland Hydro Primary Indicat Surface Wa High Water Saturation Water Marl Sediment [Drift Depos Algal Mat co Iron Depos Inundation	GY rology Indicators: tors (minimum of o dater (A1) or Table (A2) (A3) rks (B1) Deposits (B2) sits (B3) or Crust (B4) sits (B5) Visible on Aerial In degetated Concave stitons:	one is requ magery (B e Surface (ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or	ained Lea auna (B1 auna (B1 auna (B1 sulfide C Rhizospho of Reduc on Reduc k Surface Well Data	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron tion in Ti (C7) a (D9) eemarks)) ₋iving R [C4)	Surfa Drain Dry Cray Cray Satu Stun Stun Stun	ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9 ted or Stressed Plants (D1) morphic Position (D2)
No hydric soil in IYDROLOG Wetland Hydro Primary Indicat Surface Wa Surface Wa Saturation Water Marl Sediment I Drift Depos Algal Mat c Iron Depos Inundation Sparsely V Field Observa	Cology Indicators: tors (minimum of o fater (A1) Table (A2) (A3) (A) (A) (A) (A) (A) (A) (A) (A	one is requ magery (B e Surface (ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or B8) Other (Ex	apply) ained Lea auna (B1 atic Plants Sulfide C Rhizosphe of Reduc on Reduc k Surface Well Data plain in R	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tion in Ti (C7) a (D9) remarks) nches): _) ₋iving R [C4)	Surfa Drain Dry Cray Cray Satu Stun Stun Stun	ace Soil Cracks (B6) hage Patterns (B10) Season Water Table (C2) fish Burrows (C8) ration Visible on Aerial Imagery (C9 ted or Stressed Plants (D1) morphic Position (D2)

(includes capillary tringe)	
Describe Recorded Data (stream dauge monitoring well	aerial

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

No primary or secondary indicators of wetland hydrology are met. There is not wetland hydrology at DP-UPL-WSJ-006-1.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: <u>New We</u>	estville to West	Manchester		City/Co	ounty: Preble			Sampling Date:	6/15/2023
Applicant/Owner:	AES					State:	ОН	Sampling Point:	DP-UPL-WSJ-006-2
Investigator(s): Stuar	t Jennings, Anı	na Stover		Section	Township, Range:	36 9N	1E		
Landform (hillside, te	rrace, etc.): <u>Te</u>	errace			Local relief (conca	ve, conv	ex, none)	none	
Slope (%): <u>0-2</u>	Lat: <u>39.8331</u>	427° ṙ́		Long:	-84.7195397°j			Datum: NAD 83 OF	I.S
Soil Map Unit Name:	Sloan silt loan	n, sandy substr	atum			11	WI class	ification: NA	
Are climatic / hydrolo	gic conditions	on the site typi	cal for this time of y	/ear?	Yes No	<u> </u>	(If no, e	plain in Remarks.)	
Are Vegetation N	, Soil <u>N</u> , c	or Hydrology	N_significantly dis	sturbed?	Are "Normal Circum	nstances	" present	? Yes <u>X</u> No)
Are Vegetation N	, Soil <u>N</u> , c	or Hydrology	naturally proble	ematic?	(If needed, explain	any ans	wers in R	emarks.)	
SUMMARY OF F	INDINGS -	Attach site	map showing	ı sampl	ing point location	ons, tr	ansect	s, important fea	tures, etc.
Hydrophytic Vegeta Hydric Soil Present Wetland Hydrology	?	Yes Yes Yes	No X No X No X		ne Sampled Area nin a Wetland?	•	ſes	NoX	
					and area adjacent to vere drier than norma	-		d. According to local ata collection.	three-month

Indicator Morus nigraAbsolute % CoverDominant Species?Indicator Status1.Juglans nigra301YesFACU YesNumber of Dominant Species That Are OBL, FACW, or FAC:13.20YesUPLTotal Number of Dominant Species Across All Strata:85.60=Total CoverPercent of Dominant Species That Are OBL, FACW, or FAC:11.Lonicera maackii15YesUPL2.Crataegus monogyna15YesFACU YesTotal % Cover of: Across All Strata:Multiply by:3.30=Total CoverTotal % Cover of: YesMultiply by:04.30=Total CoverFACU YesTotal % Cover of: YesMultiply by:30=Total Cover30=Total CoverFACU YesFACU YesTotal % Cover of: YesMultiply by:31.Elymus virginicus25YesFACU YesFACU YesVesFACU YesVes4.2.Ambrosia artemisiifolia15YesFACU YesFACU YesVesYesFACU YesVes4.2.Ambrosia artemisiifolia25YesFACW YesPrevalence Index = B/A =4.094.2.NoFACWFACWFACWYesFACWYes4.2.YesFACWFACWYesYesYes4.2.YesFACWYesFACWYesYes<	_(A) _(B) _(A/B)
1. Juglans nigra 40 Yes FACU Number of Dominant Species That 2. Morus nigra 20 Yes UPL Are OBL, FACW, or FAC: 1 3.	(B)
2. Morus nigra 20 Yes UPL Are OBL, FACW, or FAC: 1 3.	(B)
3.	(B)
4.	•
5.	•
60=Total CoverAre OBL, FACW, or FAC:12.5%Sapling/Shrub Stratum(Plot size:15YesUPL1.Lonicera maackii15YesFACUPrevalence Index worksheet:2.Crataegus monogyna15YesFACUOBL species0x 1 =3	(A/B)
Sapling/Shrub Stratum (Plot size: 15) 1. Lonicera maackii 15 Yes UPL 2. Crataegus monogyna 15 Yes FACU 3. 15 Yes FACU 4. 15 Yes Multiply by: 5. 30 =Total Cover FACU species Herb Stratum (Plot size: 5) 30 =Total Cover 1. Elymus virginicus 25 Yes FACU 2. Ambrosia artemisiifolia 15 Yes FACU 3. Carex grayi 10 No FACW	(A/B)
1. Lonicera maackii 15 Yes UPL 2. Crataegus monogyna 15 Yes FACU Total % Cover of: Multiply by: 3. 4. <	
2. Crataegus monogyna 15 Yes FACU Total % Cover of: Multiply by: 3. .	
3.	•
4.	
5. 30 =Total CoverFAC species 10 $x 3 =$ 30 Herb Stratum(Plot size: 5) 5 25 YesFACU 105 $x 5 =$ 525 1.<	-
Herb Stratum(Plot size: 5)30=Total CoverFACU species70x 4 =2801. Elymus virginicus25YesFACWUPL species105x 5 =5252. Ambrosia artemisiifolia15YesFACUPrevalence Index = B/A =4.093. Carex grayi10NoFACWFACWFACW	_
Herb Stratum(Plot size: 5)UPL species105x 5 =5251. Elymus virginicus25YesFACWColumn Totals:222(A)9092. Ambrosia artemisiifolia15YesFACUPrevalence Index = B/A =4.093. Carex grayi10NoFACWFACW	_
1. Elymus virginicus 25 Yes FACW Column Totals: 222 (A) 909 2. Ambrosia artemisiifolia 15 Yes FACU Prevalence Index = B/A = 4.09 3. Carex grayi 10 No FACW FACW Prevalence Index = B/A = 4.09	
2. Ambrosia artemisiifolia 15 Yes FACU Prevalence Index = B/A =4.09 3. Carex grayi 10 No FACW	•
3. Carex grayi 10 No FACW	(B)
4. Cinna arundinacea 2 No FACW Hydrophytic Vegetation Indicators:	
51 - Rapid Test for Hydrophytic Vegetation	
6 2 - Dominance Test is >50%	
73 - Prevalence Index is ≤3.0 ¹	
8. 4 - Morphological Adaptations ¹ (Provide sup	porting
9. data in Remarks or on a separate sheet)	
10. Problematic Hydrophytic Vegetation ¹ (Expla	in)
52 =Total Cover ¹ Indicators of hydric soil and wetland hydrology	,
<u>Woody Vine Stratum</u> (Plot size: 30) be present, unless disturbed or problematic.	nust
1. Euonymus fortunei 70 Yes UPL Hydrophytic	
2. AES New Westville_AES New Westville_Parthenocissus quinquefolia 20 Yes Vegetation	
100 =Total Cover Present? Yes No X	

Remarks: (Include photo numbers here or on a separate sheet.)

No hydrophytic vegetation indicators are met. The vegetation is not hydrophytic at DP-UPL-WSJ-006-2.

VEGETATION Continued – Use scientific names of plants.

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status	Definitions of Vegetation Strata:
6				The subscription of the second s
7.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
8		<u> </u>		
9				Sapling/Shrub – Woody plants less than 3 in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, including
12		<u> </u>		herbaceous vines, regardless of size, and woody plants
13				less than 3.28 ft tall.
	60	=Total Cover		Woody Vine – All woody vines greater than 3.28 ft in height.
Sapling/Shrub Stratum 6.				
7.		·		
8.				
9.				
10.				
11.				
12.				
13.				
	30	=Total Cover		
Herb Stratum		-		
11				
12.				
13				
14.				
15				
16.				
17				
18.				
19				
20				
21				
22.				
	52	=Total Cover		
Woody Vine Stratum				
3. Toxicodendron radicans	10	No	FAC	
4				
5.				
6		<u> </u>		
7		<u> </u>		
	100	=Total Cover		

Remarks: (Include photo numbers here or on a separate sheet.)

Depth	Matrix	to the dep		x Features	ator or (confirm the absence of indi	cators.)				
(inches)	Color (moist)	%	Color (moist)	% Type ¹	Loc ²	Texture	Remarks				
0-12	10YR 3/1	100				Sandy	Sandy sil				
12-16	10YR 3/1	100				Loamy/Clayey	Silty clay lo				
		. <u></u> .									
		. <u></u> .									
	oncentration, D=Dep	letion, RM	Reduced Matrix, N	/IS=Masked San	d Grains		Pore Lining, M=Ma				
Hydric Soil							Problematic Hydr	ic Soils'	:		
Histosol				yed Matrix (S4)			e Redox (A16)				
	pipedon (A2)	Sandy Red				nese Masses (F12	<u>(</u>)				
	stic (A3)	Stripped M	. ,		Red Parent Material (F21)						
Hydrogen Sulfide (A4) Dark Surfa				. ,		Very Shallow Dark Surface (F22) Other (Explain in Remarks)					
	d Layers (A5)			cky Mineral (F1)		Other (Explain in Remarks)					
	ıck (A10)			eyed Matrix (F2)							
Depleted	d Below Dark Surface	e (A11)	Depleted M	Matrix (F3)		0					
	ark Surface (A12)			rk Surface (F6)			drophytic vegetati				
Sandy N	lucky Mineral (S1)		Depleted [Dark Surface (F7)	wetland hyd	rology must be pr	esent,			
5 cm Mu	ucky Peat or Peat (S3	3)	Redox De	pressions (F8)		unless distu	rbed or problemat	ic.			
	Layer (if observed):										
Type:											
Depth (ir	nches):					Hydric Soil Present?	Yes	No	Х		
Remarks: No hydric ind	dicators are met. The	e soil is not	hydric at DP-UPL-	WSJ-006-2.							
HYDROLC	DGY										
Wetland Hy	drology Indicators:										
Primary Indi	cators (minimum of o	one is requi	red; check all that	apply)		Secondary Indic	ators (minimum o	f two requ	uired		
Surface	Water (A1)		Water-Sta	ined Leaves (B9)		Surface Soi	l Cracks (B6)				
High Wa	ater Table (A2)		Aquatic Fa	auna (B13)		Drainage Pa	atterns (B10)				
Saturatio	on (A3)		True Aqua	tic Plants (B14)		Dry-Season	Water Table (C2))			

Wetland Hydrology Indicator	rs:						
Primary Indicators (minimum of	of one is required		Secondary Indicators (minimum of two required)				
Surface Water (A1)		Water-S	Stained Leaves (B9)	Surface Soil Cracks (B6)			
High Water Table (A2)		Aquatic	Fauna (B13)	Drainage Patterns (B10)			
Saturation (A3)		True Ac	quatic Plants (B14)		Dry-Season Water Table (C2)		
Water Marks (B1)		Hydrog	en Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2)		Oxidize	d Rhizospheres on Living Roo	ots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)		Presen	ce of Reduced Iron (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)		Recent	Iron Reduction in Tilled Soils	(C6)	X Geomorphic Position (D2)		
Iron Deposits (B5)		Thin Mu	uck Surface (C7)	FAC-Neutral Test (D5)			
Inundation Visible on Aeria	al Imagery (B7)	Gauge	or Well Data (D9)				
Sparsely Vegetated Conca	ave Surface (B8)	Other (I	Explain in Remarks)				
Field Observations:							
Surface Water Present?	Yes	No X	Depth (inches):				
Water Table Present?	Yes	No X	Depth (inches):				
Saturation Present?	Yes	No X	Depth (inches):	Wetlan	d Hydrology Present? Yes No X		
(includes capillary fringe)							
Describe Recorded Data (stream	am gauge, monito	oring well, a	erial photos, previous inspecti	ons), if av	ailable:		
Remarks:							
One secondary indicator (geor	morphic position)	of wetland h	ydrology is met. There is not	wetland h	ydrology at DP-UPL-WSJ-006-2.		

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

See ERDC/EL TR-10-16; the propon	ent agency	is CECW-	CO-R	(Auth	ority: AR	335-15, parag	irapn 5-2a	i)
Project/Site: New Westville to West Manchester		City/Cou	inty: Preble			Sampling Da	ite: <u>6/15</u>	/2023
Applicant/Owner: AES				State:	OH	Sampling Po	int: DP-\	NSJ-007
Investigator(s): Stuart Jennings, Anna Stover		Section,	Township, Ra	nge: <u>36 9N 1</u>	E			
Landform (hillside, terrace, etc.): hillside			Local relief (d	concave, conve	x, none): <u>c</u>	onvex		
Slope (%):0-2 Lat: _39.8329623℃		Long: -	-84.7201856°		C	Datum: NAD 8	3 OH.S	
Soil Map Unit Name: Sloan silt loam, sandy substratu	ım			N	WI classifie	cation: NA		
Are climatic / hydrologic conditions on the site typical	for this time of	year?	Yes	No X	(If no, expl	ain in Remark	s.)	
Are Vegetation N , Soil N , or Hydrology N	significantly d	isturbed?	Are "Normal (Circumstances"	present?	Yes X	No	
Are Vegetation N , Soil N , or Hydrology N	-			plain any answ				_
SUMMARY OF FINDINGS – Attach site m	•						foaturo	e otc
			ig point io			important	Teature	3, 610.
Hydric Soil Present? Yes X N	lo lo lo		e Sampled A n a Wetland		es <u>X</u>	No		
Remarks: All three wetland parameters are present at DP-WS. precipitation calculations, hydrologic and climatologi VEGETATION – Use scientific names of pl	c conditions we				ccording to	o local three-n	nonth ante	cedent
	Absolute	Dominant	Indicator	1				
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance	Test work	sheet:		
1. Fraxinus pennsylvanica	30	Yes	FACW	Number of D	ominant S	pecies That		
2. Celtis occidentalis	30	Yes	FAC	Are OBL, FA	CW, or FA	AC:	7	(A)
3. <u>Acer negundo</u>	20	Yes	FAC	Total Number		nant Species		
4. Crataegus pruinosa	10	No	UPL	Across All S		-	7	(B)
5	90 =	Total Cover		Percent of D Are OBL, FA		•	100.0%	(A/B)
Sapling/Shrub Stratum (Plot size: 15)			AIC ODE, I P	(OW, 011 <i>7</i>		100.070	_(/(,D)
1. Fraxinus pennsylvanica	25	Yes	FACW	Prevalence	Index wor	ksheet:		
2.				Total %	Cover of:	Mu	ltiply by:	
3.				OBL species	s <u>15</u>	x 1 =	15	_
4				FACW speci	ies 208	3 x 2 =	416	_
5				FAC species	_		150	_
	25 =	Total Cover		FACILISPECIE	ee 0	x 4 =	0	

5.				FAC species 50 x 3 = 150
	25	=Total Cover		FACU species 0 x 4 = 0
Herb Stratum (Plot size: 5)		_		UPL species 10 x 5 = 50
1. Solidago canadensis	40	Yes	FACW	Column Totals: 283 (A) 631 (B)
2. Pilea pumila	30	Yes	FACW	Prevalence Index = B/A = 2.23
3. Impatiens capensis	25	Yes	FACW	
4. Carex grayi	20	No	FACW	Hydrophytic Vegetation Indicators:
5. Agrostis gigantea	20	No	FACW	1 - Rapid Test for Hydrophytic Vegetation
6. Boehmeria cylindrica	15	No	OBL	X 2 - Dominance Test is >50%
7. Carex cristatella	10	No	FACW	X 3 - Prevalence Index is $\leq 3.0^{1}$
8. Carex scoparia	8	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting
9.				data in Remarks or on a separate sheet)
10.				Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size: 30)	168	=Total Cover		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1 2				Hydrophytic Vegetation Procent? Yes Y
	-	=Total Cover		Present? Yes X No

Remarks: (Include photo numbers here or on a separate sheet.)

The dominance test, and prevalence index are met. The vegetation is hydrophytic at DP-WSJ-007.

Profile Des	cription: (Describe	to the dep				ator or o	confirm the absence	of indicators.))	
Depth	Matrix		Redo	ox Featur						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-4	10YR 3/1	100					Loamy/Clayey			
4-16	7.5YR 4/1	90	7.5YR 3/4	10	С	PL	Loamy/Clayey	Distinct r	edox concent	trations
				·						
				·						
				·						
				·						
1 Turney 0-0			-Daduard Matrix I				21 + :			
Hydric Soil	oncentration, D=Dep	Dietion, Rivi	-Reduced Matrix, I	vi5=ivias	ked Sand	d Grains		: PL=Pore Lin	-	
Histosol			Sandy Gle	wed Mat	riv (S4)			t Prairie Redox	-	50115 .
	bipedon (A2)		Sandy Re	-				Manganese Ma		
	stic (A3)		Stripped N					Parent Materia		
	n Sulfide (A4)		Dark Surfa	``	0)			Shallow Dark	· · ·)
	l Layers (A5)		Loamy Mu	. ,	eral (F1)			r (Explain in Re		
	ick (A10)		Loamy Gl	•	• • •			(,	
	d Below Dark Surfac	e (A11)	X Depleted I	-						
	ark Surface (A12)	、	 Redox Da		-		³ Indicator	s of hydrophyt	ic vegetation	and
Sandy M	lucky Mineral (S1)		Depleted	Dark Sur	face (F7))	wetla	nd hydrology r	nust be prese	ent,
5 cm Mu	icky Peat or Peat (S	3)	Redox De	pression	s (F8)		unles	s disturbed or	problematic.	
Restrictive	Layer (if observed)	:								
Type:	,									
Depth (ii	nches):						Hydric Soil Present	?	Yes X	No
Remarks:										
	ndicator A11 deplete	d below da	rk surface F3 deple	eted mat	rix is met	. The so	oil is hydric at DP-WSJ	-007.		
-										
HYDROLC)GY									
Wetland Hy	drology Indicators									
Primary Indi	cators (minimum of	one is requ	ired; check all that	apply)			Secondar	ry Indicators (n	ninimum of tw	/o required)
Surface	Water (A1)		Water-Sta	ined Lea	aves (B9)		Surfa	ice Soil Cracks	s (B6)	
High Wa	iter Table (A2)		Aquatic Fa	auna (B1	3)			age Patterns (,	
X Saturatio	()		True Aqua					Season Water		
	larks (B1)		Hydrogen					fish Burrows (C	,	
	nt Deposits (B2)		X Oxidized F			-		ation Visible o	-	ery (C9)
· · · · · · · · · · · · · · · · · · ·	posits (B3)		Presence					ed or Stressed		
	at or Crust (B4)		Recent Irc			illed Soil		norphic Positio		
	osits (B5)		Thin Muck		· · /		X FAC-	Neutral Test (I	J5)	
	on Visible on Aerial	0,0	, <u> </u>		. ,					
	Vegetated Concav	e Surface (I	B8) X Other (Ex	plain in F	kemarks)		1			
Field Obser										
Surface Wat		es	No <u>X</u>	Depth (i	· -					
Water Table		es	No <u>X</u>	Depth (i		1.4	Wotlond Understa	NV Brocont?	Vac V	No
Saturation P	resent? Yo pillary fringe)	es <u>X</u>	No	Depth (i	ncnes):	14	Wetland Hydrolog	y Present?	Yes X	No
· ·	corded Data (strean	n daude m	onitoring well aeria	al nhotos	nreviou	s insper	tions) if available			
		, guugo, m		ai pilotos	, pieviou					

Remarks:

Two primary (saturation and oxidized rhizospheres on living roots) indicators and two secondary (FAC-neutral test & Geomorphic Position) indicators of wetland hydrology are observed. There is wetland hydrology at DP-WSJ-007. Abutting to a stream, within a 100-yr Floodplain.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New W	estville to West	Manchester		City/Co	ounty: Preble			Sampling Date:	6/15/2023
Applicant/Owner:	AES	Manchester				State:	ОН	Sampling Date:	DP-UPL-WSJ-007
Investigator(s): Stuar	t Jennings, Anı	na Stover		Section	, Township, Range:	36 9N	1E	-	
Landform (hillside, te	errace, etc.): te	rrace			Local relief (conca	ve, con	/ex, none)	none	
Slope (%): 0-2	Lat: <u>39.8329</u>	760° ∣̃		Long:	-84.7205154°i			Datum: NAD 83 OF	H.S
Soil Map Unit Name	Sloan silt loan	n, sandy substra	atum				NWI class	ification: NA	
Are climatic / hydrolo	ogic conditions	on the site typic	al for this time of y	/ear?	Yes No	<u>х</u>	(If no, e	plain in Remarks.)	
Are Vegetation N	, Soil <u>N</u> , c	or Hydrology N	significantly dis	turbed?	Are "Normal Circun	nstance	s" present	? Yes <u>X</u> No)
Are Vegetation N	, Soil <u>N</u> , c	or Hydrology N	Inaturally proble	matic?	(If needed, explain	any ans	wers in R	emarks.)	
SUMMARY OF	FINDINGS -	Attach site	map showing	sampl	ing point locati	ons, ti	ransect	s, important fea	tures, etc.
Hydrophytic Vegeta Hydric Soil Present Wetland Hydrology	?	Yes Yes Yes	No X No X No X		ne Sampled Area hin a Wetland?		Yes	NoX	
•				•	area. According to I the time of data colle		ee-month	antecedent precipita	tion
VEGETATION –	Use scientif	fic names of	plants.						

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Morus rubra	50	Yes	FACU	
2. Juglans nigra	40	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
3. Celtis occidentalis	10	No	FAC	Total Number of Dominant Species
4.				Across All Strata: 6 (B)
5.				Percent of Dominant Species That
	100	=Total Cover		Are OBL, FACW, or FAC: 16.7% (A/B)
Sapling/Shrub Stratum (Plot size: 15)				
1. Lonicera maackii	30	Yes	UPL	Prevalence Index worksheet:
2.				Total % Cover of: Multiply by:
3				OBL species 0 x 1 = 0
4				FACW species 10 x 2 = 20
5				FAC species15x 3 =45
	30	=Total Cover		FACU species 110 x 4 = 440
Herb Stratum (Plot size: 5)				UPL species 110 x 5 = 550
1. Impatiens capensis	10	Yes	FACW	Column Totals: 245 (A) 1055 (B)
2. Rubus idaeus	5	Yes	FACU	Prevalence Index = B/A = 4.31
3				
4				Hydrophytic Vegetation Indicators:
5				 Rapid Test for Hydrophytic Vegetation
6				2 - Dominance Test is >50%
7				3 - Prevalence Index is ≤3.0 ¹
8				4 - Morphological Adaptations ¹ (Provide supporting
9				data in Remarks or on a separate sheet)
10				Problematic Hydrophytic Vegetation ¹ (Explain)
	15	=Total Cover		¹ Indicators of hydric soil and wetland hydrology must
<u>Woody Vine Stratum</u> (Plot size: 30)				be present, unless disturbed or problematic.
1. Euonymus fortunei	80	Yes	UPL	Hydrophytic
2. Parthenocissus quinquefolia	15	No	FACU	Vegetation
	100	=Total Cover		Present? Yes No X

Remarks: (Include photo numbers here or on a separate sheet.)

No hydrophytic vegetation indicators are met. The vegetation is not hydrophytic at DP-UPL-WSJ-007.

VEGETATION Continued – Use scientific names of plants.

	Absolute	Dominant	Indicator	
Tree Stratum	% Cover	Species?	Status	Definitions of Vegetation Strata:
6				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7				at breast height (DBH), regardless of height.
8				
9				Sapling/Shrub – Woody plants less than 3 in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, including
12				herbaceous vines, regardless of size, and woody plants
13				less than 3.28 ft tall.
	100	=Total Cover		Woody Vine – All woody vines greater than 3.28 ft in
Sapling/Shrub Stratum				height.
6				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
	30	=Total Cover		
<u>Herb Stratum</u>		-		
11.				
12.				
13.				
14.				
15				
16 17				
17				
18				
19 20.				
21.				
22.				
22	15	=Total Cover		
Woody Vine Stratum	15			
3. Toxicodendron radicans	F	No	EAC	
	5	No	FAC	
4				
5.				
6				
7				
	100	=Total Cover		

Remarks: (Include photo numbers here or on a separate sheet.)

Depth	Matrix			x Featur			confirm the absence of i	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-16	10YR 3/3	100					Loamy/Clayey	
		·						
¹ Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	//S=Mas	ked Sand	Grains	² Location: F	L=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators f	or Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)		Coast P	rairie Redox (A16)
Histic E	oipedon (A2)		Sandy Red	dox (S5)			Iron-Mai	nganese Masses (F12)
Black Hi	istic (A3)		Stripped M	latrix (S	3)		Red Par	ent Material (F21)
Hydroge	en Sulfide (A4)		Dark Surfa	ace (S7)			Very Sh	allow Dark Surface (F22)
Stratified	d Layers (A5)		Loamy Mu	cky Min	eral (F1)		Other (E	xplain in Remarks)
2 cm Mu	ıck (A10)		Loamy Gle	eyed Ma	trix (F2)		_	
Deplete	d Below Dark Surface	e (A11)	Depleted N	Matrix (F	3)			
Thick Da	ark Surface (A12)		Redox Da	rk Surfa	ce (F6)		³ Indicators o	f hydrophytic vegetation and
Sandy N	lucky Mineral (S1)		Depleted [Dark Sur	face (F7)		wetland	hydrology must be present,
5 cm Mı	icky Peat or Peat (S3	Redox De	pression	s (F8)		unless o	isturbed or problematic.	
Restrictive	Layer (if observed):							
Type:								
Depth (i	nches):	The soil is	not hydric at DP-L	JPL-WS	J-007.		Hydric Soil Present?	YesNo_>
Depth (i	·	The soil is	not hydric at DP-L	JPL-WS	J-007.		Hydric Soil Present?	Yes No_>
Depth (i Remarks: No hydric sc	indicators are met.	The soil is	not hydric at DP-L	JPL-WS	J-007.		Hydric Soil Present?	Yes <u>No</u>
Depth (i Remarks: No hydric sc	indicators are met.	The soil is	not hydric at DP-L	JPL-WS	J-007.		Hydric Soil Present?	Yes No >
Depth (i Remarks: No hydric so 1YDROLC Wetland Hy	bil indicators are met.				J-007.		-	Yes No >
Depth (i Remarks: No hydric so IYDROLC Wetland Hy Primary Indi	oil indicators are met. DGY drology Indicators:			apply)			Secondary I	
Depth (i Remarks: No hydric sc HYDROLC Wetland Hy Primary Indi Surface	oil indicators are met. DGY drology Indicators: cators (minimum of c		ired; check all that	apply) ined Lea	ives (B9)		<u>Secondary I</u> Surface Drainag	ndicators (minimum of two require Soil Cracks (B6) e Patterns (B10)
Depth (ii Remarks: No hydric sc HYDROLC Wetland Hy Primary Indi Surface High Wa Saturatio	DGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3)		ired; check all that Water-Sta Aquatic Fa True Aqua	<u>apply)</u> ined Lea auna (B1	aves (B9) 3) s (B14)		Secondary II Surface Drainag	<u>ndicators (minimum of two require</u> Soil Cracks (B6) e Patterns (B10) son Water Table (C2)
Depth (ii Remarks: No hydric so HYDROLC Wetland Hy Primary Indi Surface High Wa Saturatio Water M	DGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1)		ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen	apply) ined Lea auna (B1 tic Plant Sulfide (aves (B9) 3) s (B14) Odor (C1)		<u>Secondary I</u> Surface Drainag Dry-Sea Crayfish	ndicators (minimum of two require Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8)
Depth (ii Remarks: No hydric sc HYDROLC Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimen	oil indicators are met. DGY drology Indicators: <u>cators (minimum of c</u> Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2)		ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph	aves (B9) 3) s (B14) Odor (C1) eres on L	iving R	<u>Secondary I</u> <u>Surface</u> Drainag <u>Dry-Sea</u> Crayfish oots (C3) Saturatio	ndicators (minimum of two require Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9)
Depth (ii Remarks: No hydric sc IYDROLC Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimen Drift Dep	DGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3)		ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Redu	ives (B9) 3) s (B14) Ddor (C1) ieres on L ced Iron (iving R C4)	<u>Secondary I</u> Surface Drainag Dry-Sea Crayfish oots (C3) Sturted	ndicators (minimum of two require Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1)
Depth (ii Remarks: No hydric sc HYDROLC Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma	DGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)		ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Redu n Reduc	ives (B9) 3) s (B14) Odor (C1) eres on L ced Iron (ction in Ti	iving R C4)	Secondary II Surface Drainag Dry-Sea Crayfish oots (C3) Saturation Stunted s (C6) Geomor	ndicators (minimum of two require Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) phic Position (D2)
Depth (ii Remarks: No hydric so HYDROLC Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep	DGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	one is requ	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface	aves (B9) 3) s (B14) Ddor (C1) neres on L ced Iron (ction in Ti e (C7)	iving R C4)	Secondary II Surface Drainag Dry-Sea Crayfish oots (C3) Saturation Stunted s (C6) Geomor	ndicators (minimum of two require Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1)
Depth (ii Remarks: No hydric so HYDROLC Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimen Drift Dep Algal Ma Iron Dep Inundati	DGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial I	one is requ	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or	apply) ined Lea auna (B1 Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat	aves (B9) 3) 5 (B14) Odor (C1) beres on L ced Iron (ced Iron (ction in Ti e (C7) a (D9)	iving R C4)	Secondary II Surface Drainag Dry-Sea Crayfish oots (C3) Saturation Stunted s (C6) Geomor	ndicators (minimum of two require Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) phic Position (D2)
Depth (ii Remarks: No hydric sc HYDROLC Wetland Hy Primary Indi Surface High Wa Saturatie Water M Sedimen Drift Dep Algal Ma Iron Dep Inundati Sparsely	DGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial In y Vegetated Concave	one is requ	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or	apply) ined Lea auna (B1 Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat	aves (B9) 3) 5 (B14) Odor (C1) beres on L ced Iron (ced Iron (ction in Ti e (C7) a (D9)	iving R C4)	Secondary II Surface Drainag Dry-Sea Crayfish oots (C3) Saturation Stunted s (C6) Geomor	ndicators (minimum of two require Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) phic Position (D2)
Depth (ii Remarks: No hydric so HYDROLO Wetland Hy Primary Indi Surface High Wa Saturatii Water M Sedimen Drift Dep Algal Ma Iron Dep Inundati Sparsely	DGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial II y Vegetated Concave vations:	one is requ magery (B Surface (I	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or B8) Other (Exp	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat olain in F	aves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (ction in Ti e (C7) a (D9) Remarks)	iving R C4) Iled Soi	Secondary II Surface Drainag Dry-Sea Crayfish oots (C3) Saturation Stunted s (C6) Geomor	ndicators (minimum of two require Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) phic Position (D2)
Depth (ii Remarks: No hydric so HYDROLO Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparsely Field Obser Surface Wa	DGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial In y Vegetated Concave vations: ter Present? Ye	one is requ magery (B s Surface (I	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or B8) Other (Exp	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat blain in F	aves (B9) 3) s (B14) Odor (C1) teres on L ced Iron (ction in Ti e (C7) a (D9) Remarks) nches): _	iving R C4) Iled Soi	Secondary II Surface Drainag Dry-Sea Crayfish oots (C3) Saturation Stunted s (C6) Geomor	ndicators (minimum of two require Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) phic Position (D2)
Depth (ii Remarks: No hydric so HYDROLC Wetland Hy Primary Indi Surface High Wa Saturatio Water M Sedimer Drift Dep Algal Ma Iron Dep Inundati Sparsely Field Obser Surface Wa Water Table	DGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial In / Vegetated Concave vations: ter Present? Ye	magery (B Surface (I s	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or B8) Other (Exp No X No X	apply) ined Lea auna (B1 Sulfide (Rhizosph of Reduo n Reduo Surface Well Dato blain in F Depth (i Depth (i	aves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti e (C7) a (D9) Remarks) a (D9) Remarks): 	iving R C4) Iled Soi	Secondary II Surface Drainag Dry-Sea Crayfish oots (C3) Saturati Stunted Is (C6) FAC-Ne	ndicators (minimum of two require Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) phic Position (D2) utral Test (D5)
Depth (ii Remarks: No hydric so HYDROLC Wetland Hy Primary Indi Surface High Wa Saturation Drift Dep Algal Ma Iron Dep Inundati Sparsely Field Obser Surface Wa Water Table Saturation F	DGY drology Indicators: <u>cators (minimum of c</u> Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial In y Vegetated Concave vations: ter Present? Ye Present? Ye	magery (B Surface (I s	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or B8) Other (Exp No X No X	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat blain in F	aves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (tion in Ti e (C7) a (D9) Remarks) a (D9) Remarks): 	iving R C4) Iled Soi	Secondary II Surface Drainag Dry-Sea Crayfish oots (C3) Saturation Stunted s (C6) Geomor	ndicators (minimum of two require Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) phic Position (D2) utral Test (D5)
Depth (ii Remarks: No hydric sc HYDROLC Wetland Hy Primary Indi Surface High Wa Saturation Drift Dep Algal Ma Iron Dep Inundati Sparsely Field Obser Surface Wa Water Table Saturation P (includes ca	DGY drology Indicators: cators (minimum of c Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial In / Vegetated Concave vations: ter Present? Ye	magery (B Surface (I S	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck 7) Gauge or 1 B8) Other (Exp No X No X No X	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Redur n Reduc Surface Well Dat blain in F Depth (i Depth (i	aves (B9) 3) s (B14) Odor (C1) eres on L ced Iron (ction in Ti e (C7) a (D9) Remarks) a (D9) Remarks): nches): nches):	iving R C4) Iled Soi	Secondary II Surface Drainag Dry-Sea Crayfish oots (C3) Saturation Stunted Stunted Is (C6) FAC-Ne Wetland Hydrology I	ndicators (minimum of two require Soil Cracks (B6) e Patterns (B10) son Water Table (C2) Burrows (C8) on Visible on Aerial Imagery (C9) or Stressed Plants (D1) phic Position (D2) utral Test (D5)

No primary or secondary indicators of wetland hydrology are met. There is not wetland hydrology at DP-UPL-WSJ-007.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New Westville to West Manchester		City/Cou	nty: Preble		Sampling Dat	te: 6/16/2023
Applicant/Owner: AES				State: OH	Sampling Poi	nt: DP-WSJ-008
Investigator(s): Stuart Jennings, Anna Stover		Section, 1	Fownship, Rai	nge: 02 8N 1E	_	
Landform (hillside, terrace, etc.): terrace			Local relief (c	oncave, convex, none): none	
Slope (%): 2-6 Lat: 39.8167715°			84.7399684		Datum: NAD 83	3 OH S
Soil Map Unit Name: Celina silt loam		Long.	04.7000004		sification: NA	
•		f	Maa			-)
Are climatic / hydrologic conditions on the site typical fo			Yes			
Are Vegetation <u>N</u> , Soil <u>N</u> , or Hydrology <u>N</u> s	ignificantly of	disturbed? A	Are "Normal C	Circumstances" presen	t? Yes <u>X</u>	No
Are Vegetation <u>N</u> , Soil <u>N</u> , or Hydrology <u>N</u> n	aturally prol	blematic? (If needed, ex	plain any answers in R	(emarks.)	
SUMMARY OF FINDINGS – Attach site ma	ıp showiı	ng samplir	ng point lo	cations, transect	s, important	features, etc.
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No			e Sampled Ar n a Wetland?		No	
Remarks: All three wetland parameters are present at DP-WSJ-0 months, suggest drier than normal conditions at time of	,	,		, ,	0	a, over past 3
VEGETATION – Use scientific names of plan	nts.					
Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test w	orkehoot	
1. Acer saccharinum	30	Yes	FACW			
2. Celtis occidentalis	25	Yes	FAC	Number of Dominan Are OBL, FACW, or		10 (A)
3. Populus deltoides	20	Yes	FAC		-	
4.	20	100		Total Number of Do Across All Strata:	minant Species	10 (B)
5.				Percent of Dominan	-	(B)
	75	=Total Cover		Are OBL, FACW, or	•	100.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15)					-	、 ,
1. Lindera benzoin	15	Yes	FACW	Prevalence Index v	worksheet:	
2. Fraxinus pennsylvanica	10	Yes	FACW	Total % Cover	of: Muli	tiply by:
3.				OBL species	0 x 1 =	0
4.				FACW species	160 x 2 =	320
5				FAC species	65 x 3 =	195
	25	=Total Cover		FACU species	0 x 4 =	0
Herb Stratum (Plot size: 5)				UPL species	0 x 5 =	0
1. Solidago canadensis	35	Yes	FACW		225 (A)	515 (B)
2. Pilea pumila	20	Yes	FACW	Prevalence Index	(= B/A =	2.29
3. Pilea pumila	20	Yes	FACW			
4. Impatiens capensis	20	Yes	FACW	Hydrophytic Veget		
5. Carex vulpinoidea	10	No	FACW		or Hydrophytic Ve	egetation
6. Juncus tenuis	5	No	FAC	X 2 - Dominance		
7				X 3 - Prevalence I		
8					al Adaptations ' (P arks or on a separ	Provide supporting
9	<u> </u>					
10	110	=Total Cover			drophytic Vegetat	,
Woody Vine Stratum (Plot size: 30)	110			¹ Indicators of hydric be present, unless d		
1. Toxicodendron radicans	15	Yes	FAC	•		
2.	10	103	1.40	Hydrophytic		
	15	=Total Cover	<u> </u>	Vegetation Present? Yes	s X No	

Remarks: (Include photo numbers here or on a separate sheet.)

The dominance test, and prevalence index are met. The vegetation is hydrophytic at DP-WSJ-008.

Profile Desc	ription: (Describe	to the dept				ator or o	confirm the absen	ce of indicators.)
Depth	Matrix			ox Featur		. 2		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 3/1	98	10YR 5/3	2	D	М	Loamy/Clayey	Blocky clay loam
8-16	10YR 4/1	98	10YR 3/4	2	С	PL	Loamy/Clayey	Distinct redox concentrations
		·						
		. <u> </u>						
¹ Type: C=Co	ncentration, D=Dep	letion, RM=	Reduced Matrix, I	MS=Mas	ked Sand	d Grains	s. ² Loca	tion: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:							ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Sandy Gle				C	oast Prairie Redox (A16)
	ipedon (A2)		Sandy Re					on-Manganese Masses (F12)
Black His	()		Stripped N					ed Parent Material (F21)
	n Sulfide (A4)		Dark Surfa	· · /				ery Shallow Dark Surface (F22)
	Layers (A5)		Loamy Mu	-			C	ther (Explain in Remarks)
2 cm Mu			Loamy Gle	•	. ,			
	Below Dark Surface	e (A11)	X Depleted I		-		3	
	rk Surface (A12)		Redox Da					ators of hydrophytic vegetation and
	ucky Mineral (S1)	2)	Depleted I		• • •			etland hydrology must be present,
	cky Peat or Peat (S	,	Redox De	pression	S (F8)		u	nless disturbed or problematic.
	ayer (if observed):							
Туре:								
Depth (in	ches):						Hydric Soil Pres	sent? Yes <u>X</u> No
Remarks:								
Hydric soil in	dicator A11 depleted	d below darl	surface F3 deple	eted mat	rix is met	.The so	il is hydric at DP-W	'SJ-008.
HYDROLO	GY							
	Irology Indicators:							
-	ators (minimum of o		ed: check all that	apply)			Seco	ndary Indicators (minimum of two required)
-	Vater (A1)		X Water-Sta		aves (B9)			urface Soil Cracks (B6)
	er Table (A2)		Aquatic Fa					rainage Patterns (B10)
Saturatio			True Aqua	-	-			ry-Season Water Table (C2)
Water Ma	arks (B1)		Hydrogen)	C	rayfish Burrows (C8)
Sedimen	t Deposits (B2)		X Oxidized F	Rhizosph	eres on l	_iving R	oots (C3) S	aturation Visible on Aerial Imagery (C9)
Drift Dep	osits (B3)		Presence	of Redu	ced Iron ((C4)	s	tunted or Stressed Plants (D1)
Algal Mat	t or Crust (B4)		Recent Irc	on Reduc	tion in Ti	lled Soi	ls (C6) G	eomorphic Position (D2)
Iron Depo	osits (B5)		Thin Muck	Surface	e (C7)		XF	AC-Neutral Test (D5)
Inundatio	n Visible on Aerial I	magery (B7) Gauge or	Well Dat	ta (D9)			
Sparsely	Vegetated Concave	e Surface (B	8) Other (Exp	plain in F	Remarks)			
Field Observ	vations:							
Surface Wate	er Present? Ye	es	No <u>X</u>	Depth (i	nches):			
Water Table	Present? Ye	es	No <u>X</u>		nches):			
Saturation Pr		es	No <u>X</u>	Depth (i	nches):		Wetland Hydr	ology Present? Yes X No
(includes cap								
Describe Rec	orded Data (stream	daude mo	nitoring well, aeria	al photos	. previou	s inspec	ctions), if available:	

Remarks:

Two primary (water-stained leaves and oxidized rhizospheres on living roots) and two secondary (drainage patterns and FAC-neutral test) indicators of wetland hydrology are observed. There is wetland hydrology at DP-WSJ-008.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New We	estville to West	Manchester		City/Co	ounty: Preble	Sampling Date:	6/16/2023		
Applicant/Owner:	AES			-		State:	ОН	Sampling Point:	DP-UPL-WSJ-008
Investigator(s): Stuar	t Jennings, Anr		Section,	Township, Range:	02 8N	1E			
Landform (hillside, te	errace, etc.): te	rrace			Local relief (conca	ve, conv	/ex, none): none	
Slope (%): 0-2	Lat: <u>39.8169</u>	630°r		Long:	-84.7380292°∣്			Datum: NAD 83 OI	1.S
Soil Map Unit Name:	Crosby-Celina	silt loams				I	NWI class	sification: NA	
Are climatic / hydrolo	gic conditions	on the site typi	cal for this time of y	ear?	Yes No	<u>x</u>	(If no, e	xplain in Remarks.)	
Are Vegetation Y	, Soil <u>N</u> , c	r Hydrology	N significantly dist	urbed?	Are "Normal Circum	nstance	s" presen	t? Yes <u>X</u> No)
Are Vegetation N	, Soil <u>N</u> , c	r Hydrology	Nnaturally problem	natic?	(If needed, explain	emarks.)			
SUMMARY OF I	INDINGS -	Attach site	e map showing	sampli	ing point location	ons, tı	ransect	s, important fea	tures, etc.
Hydrophytic Vegeta Hydric Soil Present Wetland Hydrology	?	Yes Yes Yes	No X No X No X		ne Sampled Area nin a Wetland?		Yes	NoX	
Develop									

Remarks:

Wetland parameters are not Present at DP-UPL-WSJ-008. Hydrologic and climatologic data, over past 3 months, suggest drier than normal conditions at time of data collection. Area is upland and is Mowed & Managed.

VEGETATION - Use scientific names of plants.

				Absolute	Dominant	Indicator					
Tree Stratum	(Plot size:	30)	% Cover	Species?	Status	Dominance Tes	t worksh	eet:		
1							Number of Domi				
2.							Are OBL, FACW	, or FAC:	-	0	(A)
3.							Total Number of	Dominan	t Species		
4.							Across All Strata	a:	-	2	(B)
5.					. <u></u>		Percent of Domi	nant Spec	cies That		
					=Total Cover		Are OBL, FACW	, or FAC:	_	0.0%	(A/B)
Sapling/Shrub S	<u>Stratum</u> (Plot	size:	15)								
1							Prevalence Inde	ex works	heet:		
_							Total % Co	ver of:	Mu	ltiply by:	
2							OBL species	0	x 1 =	0	
4							FACW species	0	x 2 =	0	
5.							FAC species	10	x 3 =	30	
					=Total Cover		FACU species		x 4 =	360	
Herb Stratum	(Plot size:	5)				UPL species	0	x 5 =	0	
1. Festuca rub	ra			45	Yes	FACU	Column Totals:	100	(A)	390	(B)
2. Pilea pumila	1			30	Yes	FACU	Prevalence In	dex = B//	<u>م</u> =	3.90	
3. Pilea pumila	1			10	No	FACU					_
4. Impatiens c	apensis			10	No	FAC	Hydrophytic Ve	getation	Indicators	:	
5. Carex vulpii	noidea			5	No	FACU	1 - Rapid Te	st for Hyd	Irophytic V	egetation	
6.							2 - Dominan	ice Test is	s >50%		
7							3 - Prevalen	ce Index i	s ≤3.0 ¹		
8							4 - Morpholo	ogical Ada	ptations ¹ (Provide su	upporting
0							data in Re	emarks or	on a sepa	rate sheet	t)
10.							Problematic	Hydrophy	/tic Vegeta	ation ¹ (Exp	lain)
				100	=Total Cover		¹ Indicators of hy	dric soil a	- nd wetland	l hydrology	, must
Woody Vine St	ratum (Plot	size:	30				be present, unles				ymust
	(,								
2							Hydrophytic Vegetation				
					=Total Cover		-	Yes	No	Х	
Remarks: (Incl	ude photo numbers	s here or	on a sepai	ate sheet.)							

Hydrophytic vegetation is not present at DP-UPL-WSJ-008.

Profile Desc	ription: (Describ	e to the depth	n needed to doc	ument t	he indica	ator or	confirm the abs	ence of indicators	.)	
Depth	Matrix		Redo	x Featur	res					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-8	10YR 4/2						Loamy/Clay	rey	silt loam	
8-11	10YR 5/2						Loamy/Clay	/ey	silt loam	
11-16	10YR 5/3						Loamy/Clay	rey	silt loam	
<u> </u>										
	oncentration, D=De	nletion RM-E	Reduced Matrix	AS-Mas	ked Sand	Grain	210	cation: PL=Pore Li	ning M-Mat	riv
Hydric Soil				vi3-ivia5	Keu Sand	Grains		licators for Probler	-	-
Histosol			Sandy Gle	eved Mat	rix (S4)			Coast Prairie Redo	-	, 00113 .
	ipedon (A2)		Sandy Re	-				Iron-Manganese M	()	
Black His			Stripped N	• • •				Red Parent Material (F21)		
	n Sulfide (A4)		Dark Surfa		'			Very Shallow Dark	. ,	2)
	Layers (A5)		Loamy Mu					Other (Explain in F		,
2 cm Mu	, ,		Loamy Gle							
	Below Dark Surfa	ce (A11)	Depleted I	-						
	rk Surface (A12)	Redox Da				³ Indicators of hydrophytic vegetation and				
Sandy M	Depleted [Dark Sur	face (F7))		wetland hydrology	must be pre	sent,		
5 cm Mu	cky Peat or Peat (S3)	Redox De	pression	ıs (F8)			unless disturbed of	r problematio) .
Restrictive L	_ayer (if observed	l):								
Type:										
Depth (in	iches):		_				Hydric Soil P	resent?	Yes	No X
Remarks:										
No hydric soi	il indicators are me	et.The soil is no	ot hydric at DP-U	PL-WSJ	J-008.					
HYDROLO										
-	drology Indicators			I- A			0.			· · · · · · · · · · · · · · · · · · ·
	cators (minimum of	r one is require					<u>Se</u>	condary Indicators (two required)
	Water (A1) ter Table (A2)		Water-Sta Aquatic Fa		• • •			Surface Soil Crack Drainage Patterns	()	
Saturatio			True Aqua	•	'			Dry-Season Water		
	arks (B1)		Hydrogen			`		Crayfish Burrows (. ,	
	t Deposits (B2)		Oxidized F				Roots (C3)	Saturation Visible	-	adery (C9)
	osits (B3)		Presence			-		Stunted or Stresse		
	t or Crust (B4)		Recent Iro			· ·	ils (C6)	Geomorphic Positi	-	/
	osits (B5)		Thin Muck				()	FAC-Neutral Test		
	on Visible on Aerial	l Imagery (B7)			. ,			_	, , ,	
	Vegetated Concar									
Field Observ	vations:									
Surface Wate	er Present?	/es	No X	Depth (i	inches):					
Water Table	Present?	/es			inches):					
Saturation Pr	resent?	/es			inches):		Wetland Hy	drology Present?	Yes	No X
(includes cap	oillary fringe)									
Describe Red	corded Data (strea	m gauge, mon	nitoring well, aeria	al photos	, previou	s inspe	ctions), if availab	le:		

Remarks:

No indicators of wetland hydrology are observed. There is no wetland hydrology at DP-UPL-WSJ-008.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New Westville to West Manchester	City/County: Preble Sampling Date: 6/28/2023
Applicant/Owner: AES	State: OH Sampling Point: DP-WSJ-009
Investigator(s): Stuart Jennings, Hannah Saxena	Section, Township, Range: 35 9N 2E
Landform (hillside, terrace, etc.): terrace	Local relief (concave, convex, none): concave
Slope (%): 2-6 Lat: 39.8349565°ĭ	Long: -84.6264493°ĭ Datum: NAD 83 OH.S
Soil Map Unit Name: Celina silt Ioam	NWI classification: NA
Are climatic / hydrologic conditions on the site typical for this time of y	rear? Yes No x (If no, explain in Remarks.)
Are Vegetation N , Soil N , or Hydrology N significantly dis	
Are Vegetation N , Soil N , or Hydrology N naturally proble	
	sampling point locations, transects, important features, etc.
SOMMART OF FINDINGS – Attach site map showing	sampling point locations, transects, important leatures, etc.
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No	Is the Sampled Area within a Wetland? Yes X No
Remarks: All three wetland parameters are present at DP-WSJ-009; therefore, months, suggest drier than normal conditions at time of data collections	this area consists of a wetland. Hydrologic and climatologic data, over past 3 on. Stormwater input into this wetland from I-70.
VEGETATION – Use scientific names of plants.	
	Dominant Indicator Species? Status Dominance Test worksheet:
1.	Number of Dominant Species That Are OBL, FACW, or FAC: 1
3	Total Number of Dominant Species Across All Strata: 1 (B)
	Percent of Dominant Species That Total Cover Are OBL, FACW, or FAC: 100.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15)	
1	Prevalence Index worksheet:
3	Total % Cover of: Multiply by: OBL species 0 x 1 = 0
	$= \frac{1}{100} = $

		=Total Cover		Are OBL, FACW, or FAC:	100.0%	(A/B)
Sapling/Shrub Stratum (Plot size: 15)				Prevalence Index worksheet:		
2.				Total % Cover of:	Multiply by:	
3					1 = 0	-
<u> </u>					2 = 190	-
5.					3 = 0	-
		=Total Cover			4 = 20	-
Herb Stratum (Plot size: 5)					5 = 0	-
1. Typha angustifolia	95	Yes	FACW	Column Totals: 100 (A)	210	(B)
2. Vitis rupestris	5	No	FACU	Prevalence Index = B/A =	2.10	_``
3.						-
4.				Hydrophytic Vegetation Indica	ators:	
5.				1 - Rapid Test for Hydrophy	tic Vegetation	
6.				X 2 - Dominance Test is >50%	6	
7.				X 3 - Prevalence Index is ≤3.0) ¹	
8.				4 - Morphological Adaptatio		•••
9				data in Remarks or on a		
10				Problematic Hydrophytic Ve	egetation ¹ (Expl	ain)
<u>Woody Vine Stratum</u> (Plot size: 30)	100	=Total Cover		¹ Indicators of hydric soil and we be present, unless disturbed or		must
1				Hydrophytic		
2.				Vegetation		
		=Total Cover		Present? Yes X	No	

Remarks: (Include photo numbers here or on a separate sheet.)

The dominance test, and prevalence index are met. The vegetation is hydrophytic at DP-WSJ-009.

Depth		the depth h	eeded to doc	ument t	he indica		confirm the absence	of indicators.)		
	Matrix			x Featur		. 2				
(inches)	Color (moist)	% C	olor (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-8	10YR 2/1				·		Muck	Black Organic Muck		
8-16	10Y 4/1						Muck	Gley soil		
¹ Type: C=Co	oncentration, D=Deplet	ion, RM=Red	Juced Matrix, M	//S=Mas	ked Sand	d Grains		n: PL=Pore Lining, M=Matrix.		
Hydric Soil								ors for Problematic Hydric Soils ³ :		
Histosol		-	Sandy Gle	-				st Prairie Redox (A16)		
Histic Epipedon (A2) Sandy Redox (S5)							-Manganese Masses (F12)			
Black His	stic (A3)	-	Stripped M	latrix (Se	6)			Parent Material (F21)		
	n Sulfide (A4)	-	Dark Surfa	ace (S7)			Very	/ Shallow Dark Surface (F22)		
	d Layers (A5)	-	Loamy Mu	-			Othe	er (Explain in Remarks)		
<u>X</u> 2 cm Mu	()	-	Loamy Gle	-						
Depleted Below Dark Surface (A11) Depleted Matrix (F3)							³ Indicators of hydronic tick to retation and			
Thick Dark Surface (A12)Redox Dark Surface (F6)							³ Indicators of hydrophytic vegetation and			
	lucky Mineral (S1)	-	Depleted [• • •			and hydrology must be present,		
5 cm Mu	icky Peat or Peat (S3)		Redox De	pression	s (F8)		unle	ss disturbed or problematic.		
	Layer (if observed):									
Туре:										
Depth (ir	nches):						Hydric Soil Preser	nt? Yes <u>X</u> No		
Remarks:		10.1	I		-					
Hydric soil in	ndicator A4 hydrogen si	lifide and A1	0 2cm muck a	re met.	I he soil i	s hydric	at DP-WSJ-009.			
	GY									
HYDROLO										
Wetland Hy	drology Indicators:	is required:	check all that	apply)			Seconda	ary Indicators (minimum of two required)		
Wetland Hyd	drology Indicators: cators (minimum of one	is required;			aves (B9)			ary Indicators (minimum of two required)		
Wetland Hyd Primary India Surface	drology Indicators: cators (minimum of one Water (A1)	is required;	Water-Sta	ined Lea	. ,		Surf	ace Soil Cracks (B6)		
Wetland Hyd Primary India Surface V High Wa	drology Indicators: cators (minimum of one Water (A1) ater Table (A2)	is required; -	Water-Sta Aquatic Fa	ined Lea auna (B1	3)		Surf Drai	ace Soil Cracks (B6) nage Patterns (B10)		
Wetland Hy Primary India Surface V High Wa X Saturatio	drology Indicators: cators (minimum of one Water (A1) ater Table (A2) on (A3)	<u>∍ is required;</u>	Water-Sta Aquatic Fa True Aqua	ined Lea auna (B1 itic Plant	3) s (B14)		Surf Drai Dry-	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2)		
Wetland Hype Primary India Surface High Wa X Saturatio Water M	drology Indicators: cators (minimum of one Water (A1) ater Table (A2) on (A3) larks (B1)	<u>is required;</u> - -	Water-Sta Aquatic Fa True Aqua X Hydrogen	ined Lea auna (B1 tic Plant Sulfide (3) s (B14) Odor (C1)	Surf Drai Dry- Cray	face Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8)		
Wetland Hys Primary India Surface High Wa X Saturatic Water M Sediment	drology Indicators: cators (minimum of one Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2)	<u>∍ is required;</u> - - -	Water-Sta Aquatic Fa True Aqua X Hydrogen Oxidized F	ined Lea auna (B1 tic Plant Sulfide (Rhizosph	3) s (B14) Odor (C1 ieres on l) ₋iving R	Surf Drai Dry- Dry- Cray coots (C3)	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2)		
Wetland Hy Primary India Surface High Wa X Saturatic Water M Sedimen Drift Dep	drology Indicators: <u>cators (minimum of one</u> Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3)	<u>∍ is required;</u> - - - -	Water-Sta Aquatic Fa True Aqua X Hydrogen Oxidized F X Presence	ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Redue	3) S (B14) Odor (C1 eres on l ced Iron () ₋iving R C4)	Surf Drai Dry- Cray Satu Stur	ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1)		
Wetland Hype Primary India Surface High Wa X Saturation Water M Sedimen Drift Dep Algal Ma	drology Indicators: cators (minimum of one Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2)	<u>∍ is required;</u> - - - - -	Water-Sta Aquatic Fa True Aqua X Hydrogen Oxidized F	ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc	3) ts (B14) Odor (C1 heres on I ced Iron (otion in Ti) ₋iving R C4)		ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2)		
Wetland Hype Primary India Surface High Wa X Saturation Water M Sedimen Drift Dep Algal Ma Iron Dep	drology Indicators: cators (minimum of one Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)	-	Water-Sta Aquatic Fa True Aqua X Hydrogen Oxidized F X Presence Recent Iro	ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface	3) s (B14) Odor (C1 heres on I ced Iron (ction in Ti e (C7)) ₋iving R C4)		ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1)		
Wetland Hy Primary India Surface V High Wa X Saturatic Water M Sedimen Drift Dep Algal Ma Iron Dep Inundatio	drology Indicators: cators (minimum of one Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	- - - - - - - - - - - - - - - - - - -	Water-Sta Aquatic Fa True Aqua X Hydrogen Oxidized F X Presence Recent Iro Thin Muck	ined Lea auna (B1 Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat	3) (B, B, B) ₋iving R C4)		ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2)		
Wetland Hy Primary India Surface V High Wa X Saturatic Water M Sedimen Drift Dep Algal Ma Iron Dep Inundatio	drology Indicators: <u>cators (minimum of one</u> Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial Ima / Vegetated Concave S	- - - - - - - - - - - - - - - - - - -	Water-Sta Aquatic Fa True Aqua X Hydrogen Oxidized F X Presence Recent Iro Thin Muck Gauge or	ined Lea auna (B1 Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat	3) (B, B, B) ₋iving R C4)		ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2)		
Wetland Hyg Primary India Surface High Wa X Saturatic Water M Sedimen Drift Dep Algal Ma Iron Dep Inundatio Sparsely	drology Indicators: <u>cators (minimum of one</u> Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial Ima / Vegetated Concave S vations:	agery (B7) Furface (B8)	Water-Sta Aquatic Fa True Aqua X Hydrogen Oxidized F X Presence Recent Iro Thin Muck Gauge or	ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat blain in F	3) (B, B, B) ₋iving R C4)		race Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2)		
Wetland Hy Primary India Surface ' High Wa X Saturatic Water M Sedimen Drift Dep Algal Ma Iron Dep Inundatic Sparsely Field Obser	drology Indicators: cators (minimum of one Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial Ima / Vegetated Concave S vations: ter Present? Yes	agery (B7)	Water-Sta Aquatic Fa True Aqua X Hydrogen Oxidized F X Presence Recent Iro Thin Muck Gauge or Other (Exp	ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat blain in F	3) Sis (B14) Dodor (C1 heres on l ced Iron (tition in Ti e (C7) ta (D9) Remarks)) Living R C4) Iled Soil		race Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) yfish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2)		
Wetland Hy Primary India Surface V High Wa X Saturatio Water M Sedimen Drift Dep Algal Ma Iron Dep Inundatio Sparsely Field Obser Surface Wat	drology Indicators: cators (minimum of one Water (A1) ater Table (A2) on (A3) larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) on Visible on Aerial Ima / Vegetated Concave S vations: ter Present? Yes	agery (B7) Surface (B8)	Water-Sta Aquatic Fa True Aqua X Hydrogen Oxidized F X Presence Recent Iro Thin Muck Gauge or Other (Exp No X No X	ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc Surface Well Dat Datin in F Depth (i Depth (i	3) s (B14) Odor (C1 teres on l ced Iron (tion in Ti e (C7) ia (D9) Remarks) nches):) Living R C4) Iled Soil		ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) /fish Burrows (C8) uration Visible on Aerial Imagery (C9) nted or Stressed Plants (D1) morphic Position (D2) C-Neutral Test (D5)		

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Three primary (saturation, hydrogen sulfide odor, presence of reduced iron, and the presence of reduced iron) indicators and two secondary (FACneutral test & Geomorphic position) indicator of wetland hydrology are observed. There is wetland hydrology at DP-WSJ-009. Saturated to Surface; Linear Depression.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New W	roject/Site: New Westville to West Manchester				ounty: Preble	Sampling Date:	6/28/2023		
Applicant/Owner:	AES					State:	OH	Sampling Point:	DP-UPL-WSJ-009
Investigator(s): Stua	rt Jennings, I	Hannah Saxena		Section,	, Township, Range:	35 9N 2	?E		
Landform (hillside, te	errace, etc.):	terrace			Local relief (conca	ve, conve	ex, none)): none	
Slope (%): 2-6	Lat: 39.83	48547°∤		Long:	-84.6263105°			Datum: NAD 83 Of	H.S
Soil Map Unit Name: Celina silt loam NWI classification: NA									
Are climatic / hydrolo	ogic conditior	ns on the site typ	pical for this time c	of year?	Yes No	<u>X</u>	(If no, e	xplain in Remarks.)	
Are Vegetation N	, Soil <u>N</u>	, or Hydrology	N significantly (disturbed?	Are "Normal Circum	nstances'	" present	t? Yes <u>X</u> No	o
Are Vegetation N	, Soil <u>N</u>	, or Hydrology	N naturally prof	blematic?	(If needed, explain	any ansv	vers in R	emarks.)	
SUMMARY OF	FINDINGS	ے Attach sit	e map showir	ng sampli	ing point location	ons, tra	ansect	s, important fea	itures, etc.
Hydrophytic Vegeta Hydric Soil Present Wetland Hydrology	t?	t? Yes Yes Yes	No <u>X</u> No <u>X</u>		ne Sampled Area hin a Wetland?	Y	′es	No X	

Remarks:

No wetland parameters are present at DP-UPL-WSJ-009; therefore, this is an upland area. Hydrologic and climatologic data, over past 3 months, suggest drier than normal conditions at time of data collection. Area is part of the I-70 drainage system.

VEGETATION - Use scientific names of plants.

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:
1. Prunus serotina	25	Yes	FACU	Number of Dominant Species That
2		·		Are OBL, FACW, or FAC: 1 (A)
3		·		Total Number of Dominant Species
4				Across All Strata:4 (B)
5		·		Percent of Dominant Species That
	25	=Total Cover		Are OBL, FACW, or FAC: <u>25.0%</u> (A/B)
Sapling/Shrub Stratum (Plot size: 15)			
1				Prevalence Index worksheet:
2				Total % Cover of: Multiply by:
3.				OBL species 0 x 1 = 0
4.				FACW species 0 x 2 = 0
5.				FAC species 30 x 3 = 90
		=Total Cover		FACU species 120 x 4 = 480
Herb Stratum (Plot size: 5)				UPL species 0 x 5 = 0
1. Festuca rubra	30	Yes	FAC	Column Totals: 150 (A) 570 (B)
2. Bromus inermis	25	Yes	FACU	Prevalence Index = B/A = 3.80
3. Cirsium arvense	15	No	FACU	
4. Impatiens capensis	10	No	FACU	Hydrophytic Vegetation Indicators:
5. Solidago canadensis	5	No	FACU	1 - Rapid Test for Hydrophytic Vegetation
6.				2 - Dominance Test is >50%
7.				3 - Prevalence Index is ≤3.0 ¹
8.				4 - Morphological Adaptations ¹ (Provide supporting
9.				data in Remarks or on a separate sheet)
10.		·		Problematic Hydrophytic Vegetation ¹ (Explain)
	85	=Total Cover		¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size: 30)	•		be present, unless disturbed or problematic.
1. Vitis rupestris	40	Yes	FACU	Hydrophytic
2.				Vegetation
	40	=Total Cover		Present? Yes <u>No X</u>

Remarks: (Include photo numbers here or on a separate sheet.)

No hydrophytic vegetation indicators are met. The vegetation is not hydrophytic at DP-UPL-WSJ-009.

Profile Desc	cription: (Describe	e to the dep	th needed to doc	ument t	he indica	ator or	confirm the absence o	of indicators.)		
Depth	Matrix			x Featu						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	rks	
0-6	10YR 3/1	100					Loamy/Clayey	clay lo	am	
6-18	5Y 3/1	100					Loamy/Clayey	clay loam	blocky	
					·					
					·					
17 0.0					<u> </u>	. <u> </u>	2,			
Hydric Soil	oncentration, D=De	pletion, RM=	Reduced Matrix, I	NS=Mas	sked Sand	Grains		PL=Pore Lining, M= s for Problematic Hy	-	
-			Sandy Cle	wed Mat	triv (SA)			Prairie Redox (A16)	une sons .	
Histosol (A1) Histic Epipedon (A2) Sandy Gleyed Matrix (S4) Sandy Redox (S5)						langanese Masses (F	12)			
Black Hi			Stripped N	. ,				Parent Material (F21)	12)	
	n Sulfide (A4)		Dark Surfa					Shallow Dark Surface	(F22)	
	Layers (A5)		Loamy Mu					(Explain in Remarks)		
	ick (A10)		Loamy Gle	•	. ,					
	Below Dark Surfac	ce (A11)	Depleted I	-						
Thick Dark Surface (A12)			Redox Da	rk Surfa	ce (F6)		³ Indicators of hydrophytic vegetation and			
Sandy M	Sandy Mucky Mineral (S1)			Dark Su	rface (F7))	wetland hydrology must be present,			
5 cm Mucky Peat or Peat (S3)			Redox De	pressior	ns (F8)		unless	s disturbed or problen	natic.	
Restrictive	Layer (if observed)):								
Type:										
Depth (ir	nches):						Hydric Soil Present	? Yes_	<u>No X</u>	
No hydric so	il indicators are me	t.The soil is	not hydric at DP-U	PL-WS	J-009.					
HYDROLC	GY									
Wetland Hy	drology Indicators	:								
Primary Indi	<u>cators (minimum of</u>	one is requi	red; check all that	apply)			Secondary	<u>y Indicators (minimun</u>	n of two required)	
Surface	Water (A1)		Water-Sta	ined Lea	aves (B9)		Surfac	ce Soil Cracks (B6)		
	iter Table (A2)		Aquatic Fa		-			age Patterns (B10)		
Saturatio	. ,		True Aqua		. ,			eason Water Table (0	22)	
	arks (B1)		Hydrogen					sh Burrows (C8)	(OO)	
	nt Deposits (B2)		Oxidized F			-		ation Visible on Aerial		
	oosits (B3) It or Crust (B4)		Presence Recent Iro			. ,		ed or Stressed Plants orphic Position (D2)	(DT)	
	osits (B5)		Thin Muck			lieu 30		Neutral Test (D5)		
· · · ·	on Visible on Aerial	Imagery (B7			. ,					
	Vegetated Concav	0,1	, <u> </u>							
Field Obser	-	(-	, <u> </u>							
Surface Wat		es	No X	Depth (inches):					
Water Table		es	No X		inches):					
Saturation P		es	No X		inches):		Wetland Hydrolog	y Present? Yes	No X	
	pillary fringe)				·					
Describe Re	corded Data (strear	m gauge, mo	onitoring well, aeria	al photos	s, previou	s inspe	ctions), if available:			
Remarks:										

No indicators of wetland hydrology are observed. There is no wetland hydrology at DP-UPL-WSJ-009.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New Westville to West Manchester	C	ity/County: Preb	le	Sampling Date:	6/29/2023
Applicant/Owner: AES			State: OH		DP-WSJ-010
Investigator(s): Stuart Jennings, Hannah Saxena	St	ection, Township,	Range: 8 8N 1E		
Landform (hillside, terrace, etc.): terrace			f (concave, convex, none): concave	
Slope (%): 6-12 Lat: 39.8104091°	-	Long: -84.798037		Datum: NAD 83 O	нs
Soil Map Unit Name: Miami Ioam				sification: NA	1
	this time of year				
Are climatic / hydrologic conditions on the site typical for	-			xplain in Remarks.)	
Are Vegetation <u>N</u> , Soil <u>N</u> , or Hydrology <u>N</u> sig					0
Are Vegetation <u>N</u> , Soil <u>N</u> , or Hydrology <u>N</u> na	turally problema	tic? (If needed,	explain any answers in F	Remarks.)	
SUMMARY OF FINDINGS – Attach site map	o showing sa	ampling point	locations, transect	s, important fea	atures, etc.
Hydrophytic Vegetation Present? Yes X No		Is the Sampled	Area		
Hydric Soil Present? Yes X No		within a Wetla		Νο	
Wetland Hydrology Present? Yes X No					
Remarks:					
All three wetland parameters are present at DP-WSJ-01			, ,	•	over past 3
months, suggest drier than normal conditions at time of	data collection.	Stormwater input	into this wetland. Cattle in	npact this Wetland.	
VEGETATION - Use scientific names of plant	ts.				
		ninant Indicator			
	% Cover Spe	cies? Status	Dominance Test w	orksheet:	
1			Number of Dominar	•	4 (A)
2			Are OBL, FACW, or		4 (A)
			 Total Number of Do Across All Strata: 	minant Species	4 (B)
4			Percent of Dominan	t Species That	. (5)
· · · · · · · · · · · · · · · · · · ·	=Tota	Cover	Are OBL, FACW, or	•	0.0% (A/B)
					、 ,
1			Prevalence Index v	vorksheet:	
2			Total % Cover	of: Multiply	/ by:
3			- '	55 x 1 =	55
4			FACW species		150
5			FAC species	0 x 3 =	0
-	= I ota	Cover	FACU species	0 x 4 =	0
Herb Stratum (Plot size: 5)	25		UPL species Column Totals:	$0 \times 5 =$ 130 (A) 2	0 205 (B)
Typha angustifolia Carex lurida		<u>res</u> FACW res OBL	Prevalence Index	`` /	
3. Carex vulpinoidea		es OBL /es FACW		<u> </u>	<u>,</u>
4. Carex shortiana		es FACW	Hydrophytic Veget	ation Indicators:	
5. Scirpus atrovirens		No OBL		or Hydrophytic Veget	tation
6. <i>Glyceria striata</i>		No OBL	X 2 - Dominance		
7. Carex cristatella		No FACW	X 3 - Prevalence		
8.			4 - Morphologic	al Adaptations ¹ (Prov	vide supporting
9			data in Rema	irks or on a separate	sheet)

		Problematic Hydrophytic Vegetation ¹ (Explain)
130 =Total Co	over	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Yes X

No

Hydrophytic

2. Vegetation =Total Cover Present? Remarks: (Include photo numbers here or on a separate sheet.)

(Plot size: 30

The dominance test, and prevalence index are met. The vegetation is hydrophytic at DP-WSJ-010.

Woody Vine Stratum

9.

10.

1.

Profile Desc	cription: (Describe	to the dept	n needed to doc	ument th	ne indic	ator or o	confirm the absence	of indicators.)
Depth	Matrix		Redo	ox Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-12	10YR 4/1	95	7.5YR 3/4	5	С	М	Loamy/Clayey	
12-16	10YR 4/1	90	7.5YR 3/4	10	С	М	Sandy	sandy silty loam
				·				
				·				
				·				
	oncentration, D=Dep	oletion, RM=F	Reduced Matrix, I	MS=Masl	ked San	d Grains		n: PL=Pore Lining, M=Matrix.
Hydric Soil								ors for Problematic Hydric Soils ³ :
Histosol			Sandy Gle		rix (S4)			st Prairie Redox (A16)
	pipedon (A2)		Sandy Re					-Manganese Masses (F12)
	stic (A3)		Stripped N		5)			Parent Material (F21)
	en Sulfide (A4)	Dark Surfa	()				y Shallow Dark Surface (F22)	
	d Layers (A5)		Loamy Mu	-			Oth	er (Explain in Remarks)
	ick (A10)	- (A 1 1)	Loamy Gl	-				
	d Below Dark Surfac ark Surface (A12)	e (ATT)	X Depleted Redox Da				³ Indiaata	ors of hydrophytic vegetation and
	, ,	Depleted		. ,	١	wetland hydrology must be present,		
Sandy Mucky Mineral (S1) 5 cm Mucky Peat or Peat (S3)			Redox De		•)		ess disturbed or problematic.
				pression	5 (1 0)		une	ss disturbed of problematic.
	Layer (if observed)							
Type:	nahaa):		_				Hydria Sail Brassr	t2 Vac ⊻ Na
Depth (ir							Hydric Soil Preser	nt? Yes <u>X</u> No
Remarks:						•		
Hydric soil ir	ndicator F3 depleted	matrix is me	t. The soil is hydi	ric at DP-	WSJ-01	0.		
HYDROLC								
,	drology Indicators:						Casard	
-	cators (minimum of o	one is require				\ \		ary Indicators (minimum of two required)
	Water (A1) ater Table (A2)		Water-Sta Aquatic Fa)		ace Soil Cracks (B6) nage Patterns (B10)
X Saturatio	. ,		True Aqua					Season Water Table (C2)
	larks (B1)		Hydrogen		())		yfish Burrows (C8)
	nt Deposits (B2)		X Oxidized F					uration Visible on Aerial Imagery (C9)
	posits (B3)		Presence			-	· · ·	nted or Stressed Plants (D1)
	at or Crust (B4)		Recent Irc			· /		morphic Position (D2)
	posits (B5)		Thin Muck					C-Neutral Test (D5)
	on Visible on Aerial I	magery (B7)			· · /		<u></u>	
	Vegetated Concave)		
Field Obser	-		<u> </u>		,			
Surface Wat		es	No X	Depth (ii	nches):			
Water Table			No X	Depth (ii	· -			
Saturation P		es X	No	Depth (ii		0	Wetland Hydrold	ogy Present? Yes X No
	pillary fringe)				· <u>-</u>			
Describe Re	corded Data (stream	n gauge, mor	nitoring well, aeria	al photos	, previou	s inspec	ctions), if available:	

Remarks:

Two primary (saturation and oxidized rhizospheres on living roots) indicators and three secondary (drainage patterns, geomorphic position, and FACneutral test) indicators of wetland hydrology are observed. There is wetland hydrology at DP-WSJ-010. Saturated to Surface.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

See ERDC	/EL TR-10-16; the propone	CO-R	(Autionty: AK 555-16, paragraph 5-24)						
Project/Site: New W	estville to West Manchester		City/Cou	nty: Preble			Sampling Da	te: 6/29	9/2023
Applicant/Owner:	AES				State:	ОН	Sampling Poi	nt: DP-U	PL-WSJ-010
Investigator(s): Stuar	t Jennings, Hannah Saxena		Section, 1	Township, Range:	8 8N 1E				
Landform (hillside, te	errace, etc.): terrace		-	Local relief (conc	ave, conve	ex, none):	none		
Slope (%): 6-12	Lat: 39.8104024°ř		Long: -	84.7980784°			Datum: NAD 83	3 OH.S	
Soil Map Unit Name:	Miami loam				N	WI classi	fication: NA		
Are climatic / hydrolo	ogic conditions on the site typical t	for this time of y	ear?	Yes N	lo X	(If no, ex	plain in Remarks	s.)	
Are Vegetation N	, Soil <u>N</u> , or Hydrology <u>N</u>	significantly dist		Are "Normal Circu					
	, Soil <u>N</u> , or Hydrology N			If needed, explair					
	FINDINGS – Attach site m				•		,	feature	s, etc.
Hydrophytic Vegeta Hydric Soil Present Wetland Hydrology	? Yes X N	o <u>X</u> o <u>X</u>		Sampled Area n a Wetland?	Y	es	No <u>X</u>		
	drology wetland parameters are no ta, over past 3 months, suggest d							rea. Hydro	ologic
VEGETATION -	Use scientific names of pla	ants.							
Tree Stratum	(Plot size:30)		Dominant Species?	Indicator Status D	ominance	Test wo	rksheet:		
1. Carya cordiform	iis	40	Yes	FACU N	umber of E	Dominant	Species That		
2. Juniperus virgin	iana	15	Yes	FACU A	re OBL, FA	ACW, or F	AC:	1	(A)
3. 4.					otal Numbe cross All S		inant Species	6	_(B)
5		55 =Te	otal Cover		ercent of D re OBL, FA		Species That FAC:	16.7%	(A/B)
Sapling/Shrub Strat	tum (Plot size: 15)							
1. Lonicera maack	ii	35	Yes	UPL P	revalence	Index w	orksheet:		

	10	163	TACO	AIE OBL, I AOW	, 011 AC.	_	I	(^)
3				Total Number of Across All Strata	t Species	6	(B)	
5	55	=Total Cover		Percent of Domin Are OBL, FACW			16.7%	_(A/B)
Sapling/Shrub Stratum (Plot size: 15	/							
1. Lonicera maackii	35	Yes	UPL	Prevalence Inde				
2. Cornus amomum	15	Yes	FACW	Total % Cov	ver of:		tiply by:	_
3. Tilia americana	15	Yes	FACU	OBL species	0	x 1 =	0	_
4				FACW species	15	x 2 =	30	_
5				FAC species	0	x 3 =	0	
	65	=Total Cover		FACU species	150	x 4 =	600	
Herb Stratum (Plot size: 5)		_		UPL species	35	x 5 =	175	
1. Festuca rubra	80	Yes	FACU	Column Totals:	200	(A)	805	(B)
2.				Prevalence In	dex = B//	<u>م</u> =	4.03	_
3.								_
4.				Hydrophytic Ve	getation	Indicators		
5.				1 - Rapid Te	st for Hyd	Irophytic V	egetation	
6.				2 - Dominan	-		U	
7				3 - Prevalence	ce Index i	s ≤3.0 ¹		
8.				4 - Morpholo	ogical Ada	ptations ¹ (F	Provide su	pporting
0					-	on a sepa		• • •
9 10				Problematic	Hvdrophy	tic Vegeta	tion ¹ (Expl	ain)
	80	=Total Cover		¹ Indicators of hyd		•		,
Woody Vine Stratum (Plot size: 30)			be present, unles				must
1				Hydrophytic				
2				Vegetation				
		=Total Cover		Present?	Yes	No	Х	

Remarks: (Include photo numbers here or on a separate sheet.)

No hydrophytic vegetation indicators are met. The vegetation is not hydrophytic at DP-UPL-WSJ-010.

Depth	cription: (Describe Matrix	to the dep		ox Featur				sence of int	licators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0-12	10YR 3/1	100					Loamy/Cla	vev	clay loam	
12-16	10YR 4/2	80	10YR 4/6	20	RM	М	Loamy/Cla		clay loam blocky	/
		·								
¹ Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix,	MS=Mas	ked Sand	Grains	s. ² L	ocation: PL:	=Pore Lining, M=Matrix	
Hydric Soil	Indicators:								Problematic Hydric S	
Histosol	(A1)		Sandy Gl	eyed Mat	rix (S4)			Coast Pra	irie Redox (A16)	
Histic Ep	vipedon (A2)		Sandy Re	dox (S5)				Iron-Mang	anese Masses (F12)	
Black His	stic (A3)		Stripped I	Matrix (S6	5)			Red Parer	nt Material (F21)	
Hydroge	n Sulfide (A4)		Dark Surf	ace (S7)				Very Shall	ow Dark Surface (F22)	
Stratified	l Layers (A5)		Loamy M	ucky Mine	eral (F1)			Other (Exp	olain in Remarks)	
2 cm Mu	ck (A10)		Loamy G	eyed Mat	trix (F2)					
x Depleted	Below Dark Surface	e (A11)	Depleted	Matrix (F	3)					
Thick Da	rk Surface (A12)		Redox Da		• •		³ Ir		ydrophytic vegetation a	
Sandy M	ucky Mineral (S1)	Depleted	Dark Sur	face (F7)			wetland hy	drology must be prese	nt,	
5 cm Mu	cky Peat or Peat (S3	3)	Redox De	pression	s (F8)			unless dis	turbed or problematic.	
Restrictive I	_ayer (if observed):									
Type:										
Depth (ir	nches):						Hydric Soil F	Present?	Yes X	No
One hydric s	oil indicator (A11 de	pleted belo	w dark surface) is	met.The	soil is hy	/dric at l	DP-UPL-WSJ-0	10.		
HYDROLO										
-	drology Indicators:									
-	cators (minimum of o	one is requ			(=		<u>Se</u>	-	icators (minimum of tw	o required
	Water (A1)		Water-Sta					_	oil Cracks (B6)	
	ter Table (A2)		Aquatic F	-	-			-	Patterns (B10)	
Saturatio	()		True Aqu		· · /	Ň		-	on Water Table (C2) urrows (C8)	
	arks (B1) It Deposits (B2)		Hydrogen				oots (C3)		Visible on Aerial Imag	any(C0)
	osits (B3)		Presence			-		_	Stressed Plants (D1)	ery (09)
·	t or Crust (B4)		Recent In			,	ls (C6) X		ic Position (D2)	
	osits (B5)		Thin Muc						ral Test (D5)	
	on Visible on Aerial I	magery (B			. ,			_		
	Vegetated Concave	0,0	, <u> </u>							
Field Obser	-		·	-	,					
	er Present? Ye	S	No X	Depth (i	nches) [.]					
Sunace wat										
Water Table		s	No X							
	Present? Ye	S		Depth (i	nches): nches): nches):		Wetland H	ydrology Pr	esent? Yes	No_X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

One indicator (geomorphic position) of wetland hydrology are observed. There is no wetland hydrology at DP-UPL-WSJ-010.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New We	estville to West	Manchester		City/Co	ounty: Preble		Sampling Date:	6/29/2023	
Applicant/Owner:	AES					State:	ОН	Sampling Point:	DP-WSJ-011
Investigator(s): Stuar	t Jennings, Har	inah Saxena		Section	Township, Range:	05 8N	l 1E		
Landform (hillside, te	errace, etc.): ter	race			Local relief (conca	ve, con	ivex, none	e): concave	
Slope (%): 2-6	Lat: <u>39.82773</u>	392° ↑		Long:	-84.7844961°ř			Datum: NAD 83 O	H.S
Soil Map Unit Name:	Rainsville silt l	oam					NWI clas	sification: R4SBC	
Are climatic / hydrolc	ogic conditions of	on the site typic	al for this time of ye	ear?	Yes No	х	(lf no, e	explain in Remarks.)	
Are Vegetation N	, Soil <u>N</u> , o	r Hydrology N	significantly dist	urbed?	Are "Normal Circum	nstance	es" preser	nt? Yes <u>X</u> No	o
Are Vegetation N	, Soil <u>N</u> , o	r Hydrology N	naturally probler	natic?	(If needed, explain	any an	swers in F	Remarks.)	
SUMMARY OF I	FINDINGS –	Attach site	map showing	sampl	ing point location	ons, t	ransect	ts, important fea	itures, etc.
Hydrophytic Vegeta Hydric Soil Present Wetland Hydrology	?	Yes X Yes X Yes X	No No No		ne Sampled Area hin a Wetland?		Yes X	No	
•	•				consists of a wetlan an normal at the time		0	ocal three-month anto on.	ecedent

VEGETATION – Use scientific names of plants.

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:
1				Number of Dominant Species That
2				Are OBL, FACW, or FAC: 1 (A)
3				Total Number of Dominant Species
4				Across All Strata: 1 (B)
5.				Percent of Dominant Species That
		=Total Cover		Are OBL, FACW, or FAC: 100.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15)			
1.	-			Prevalence Index worksheet:
2.				Total % Cover of: Multiply by:
3.				OBL species 100 x 1 = 100
4.				FACW species 0 x 2 = 0
5.				FAC species $0 \times 3 = 0$
		=Total Cover		FACU species 0 x 4 = 0
Herb Stratum (Plot size: 5)				UPL species 0 x 5 = 0
1. Typha angustifolia	100	Yes	OBL	Column Totals: 100 (A) 100 (B)
2.				Prevalence Index = $B/A = 1.00$
2				
4.				Hydrophytic Vegetation Indicators:
5.				X 1 - Rapid Test for Hydrophytic Vegetation
6				X 2 - Dominance Test is >50%
7				X 3 - Prevalence Index is $\leq 3.0^{1}$
7 8.				4 - Morphological Adaptations ¹ (Provide supporting
0				data in Remarks or on a separate sheet)
9 10.	·			Problematic Hydrophytic Vegetation ¹ (Explain)
10	100	=Total Cover		
Woody Vine Stratum (Plot size: 30)			¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1	<u> </u>			Hydrophytic
2				Vegetation
B		=Total Cover		Present? Yes X No

Remarks: (Include photo numbers here or on a separate sheet.)

The rapid test, dominance test, and prevalence index are met. The vegetation is hydrophytic at DP-WSJ-011.

Profile Desc	cription: (Describ	be to the dept	h needed to doc	ument tl	he indica	tor or	confirm the absence of	f indicators.)
Depth	Matrix	<u> </u>	Redo	x Featur	4			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 3/2	100					Loamy/Clayey	
5-16	10YR 4/1	90	7.5YR 3/4	10	С	PL	Loamy/Clayey	
	oncentration, D=D	onlation PM-	Poducod Matrix	19-Mac	kod Sand			PL=Pore Lining, M=Matrix.
Hydric Soil				10-11185	Keu Sand	Grains		for Problematic Hydric Soils ³ :
Histosol			Sandy Gle	ved Mat	rix (S4)			Prairie Redox (A16)
	pipedon (A2)		Sandy Red					anganese Masses (F12)
Black Hi			Stripped N					arent Material (F21)
X Hydroge	n Sulfide (A4)		Dark Surfa	,	,			Shallow Dark Surface (F22)
	Layers (A5)		Loamy Mu		eral (F1)			(Explain in Remarks)
2 cm Mu	ck (A10)		Loamy Gle	eyed Mat	trix (F2)			
X Depleted	Below Dark Surfa	ace (A11)	X Depleted M	/atrix (F	3)			
Thick Da	ark Surface (A12)		Redox Dar	k Surfac	e (F6)		³ Indicators	of hydrophytic vegetation and
Sandy N	lucky Mineral (S1)		Depleted D	Dark Sur	face (F7)		wetlan	d hydrology must be present,
5 cm Mu	cky Peat or Peat (S3)	Redox Dep	pression	s (F8)		unless	disturbed or problematic.
Restrictive	Layer (if observed	d):						
Type:								
Depth (ir	nches):						Hydric Soil Present?	Yes <u>X</u> No
Hydric soil ir	dicators A4 hydro	gen sulfide, A	11 depleted below	dark su	rface, an	d F3 de	pleted matrix is met. The	e soil is hydric at DP-WSJ-011.
HYDROLC	GY							
Wetland Hy	drology Indicator	s:						
Primary Indi	<u>cators (minimum o</u>	f one is requir					Secondary	Indicators (minimum of two required)
	Water (A1)		Water-Stai		• • •			e Soil Cracks (B6)
	ter Table (A2)		Aquatic Fa		-			ge Patterns (B10)
X Saturatio	. ,		True Aqua X Hydrogen					eason Water Table (C2)
	arks (B1) it Deposits (B2)		X Oxidized R		• •			sh Burrows (C8) tion Visible on Aerial Imagery (C9)
	osits (B3)		Presence			-		d or Stressed Plants (D1)
· ·	t or Crust (B4)		Recent Iro		`	,		orphic Position (D2)
	osits (B5)		Thin Muck					leutral Test (D5)
· ·	on Visible on Aeria	I Imagery (B7			. ,			
Sparsely	Vegetated Conca	ive Surface (B						
Field Obser	vations:							
Surface Wat		Yes	No X	Depth (i	nches):			
Water Table	Present?	Yes X		Depth (i	_	11		
Saturation P	resent?	Yes X	No	Depth (i	nches):	0	Wetland Hydrology	y Present? Yes X No
(includes ca	oillary fringe)				_			
Describe Re	corded Data (strea	am gauge, mo	nitoring well, aeria	l photos	, previou	s inspec	ctions), if available:	
Remarks:								

Four primary (high water table, saturation, hydrogen sulfide odor, and oxidized rhizospheres on living roots) indicators and one secondary (FACneutral test) indicator of wetland hydrology are observed. There is wetland hydrology at DP-WSJ-011.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New We	estville to West	Manchester		City/Co	ounty: Preble			Sampling Date:	6/29/2023
Applicant/Owner:	AES					State:	ОН	Sampling Point:	DP-UPL-WSJ-011
Investigator(s): Stuar	rt Jennings, Har	nnah Saxena		Section,	, Township, Range:	8 8N 1E	<u>=</u>		
Landform (hillside, te	errace, etc.): <u>te</u> r	rrace			Local relief (conca	ve, conve	ex, none): <u>r</u>	none	
Slope (%): 6-Feb	Lat: <u>39.8277</u>	312°ř		Long:	-84.7845732°ӷ	,	!	Datum: <u>NAD 83 O</u> ł	H.S
Soil Map Unit Name:	: Rainsville silt l	loam				<u> </u>	IWI classif	ication: NA	
Are climatic / hydrolo	ogic conditions	on the site typica	I for this time of ye	ear?	Yes No	<u>х</u>	(If no, exp	olain in Remarks.)	
Are Vegetation N	_, Soil <u>N</u> , c	or Hydrology N	_significantly dist	urbed?	Are "Normal Circum	nstances	" present?	Yes <u>X</u> No	٥
Are Vegetation N	_, Soil <u>N</u> , c	or Hydrology N	naturally probler	natic?	(If needed, explain	any ansv	vers in Rer	narks.)	
SUMMARY OF F	FINDINGS -	Attach site r	map showing	sampli	ing point locati	ons, tra	ansects,	, important fea	itures, etc.
Hydrophytic Vegeta		Yes	No <u>X</u>		ne Sampled Area				

Hydrophytic Vegetation Present?	Yes	No	<u>X</u>	Is the Sampled Area			
Hydric Soil Present?	Yes	No	Х	within a Wetland?	Yes	No	Х
Wetland Hydrology Present?	Yes	No	Х				

Remarks:

Wetland parameters are not present at DP-UPL-WSJ-011; this is an upland area in a agricultural drainage. Hydrologic and climatologic data, over past 3 months, suggest drier than normal conditions at time of data collection.

VEGETATION - Use scientific names of plants.

Tree Stratum	(Plot size:	30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Tes	t worksh	eet:		
	· —		/				Number of Domi				
0							Are OBL, FACW			1	(A)
4							Total Number of Across All Strata		t Species	2	(B)
					=Total Cover		Percent of Domin Are OBL, FACW			50.0%	_(A/B)
Sapling/Shrub St	-	t size:					Prevalence Inde		hoot:		
							Total % Cov			Itiply by:	
							OBL species		x 1 =	. , ,	_
4							FACW species				
5.							FAC species				_
					=Total Cover		FACU species			-	
Herb Stratum	(Plot size:	5)				UPL species		 x 5 =	0	_
1. Festuca rubra				60	Yes	FACU	Column Totals:		(A)	340	(B)
2. Echinochloa	crus-galli			30	Yes	FACW	Prevalence In	dex = B/A	<u>+</u> =	3.40	_ ` ´
3. Asclepias syr	iaca			10	No	FACU					_
4.							Hydrophytic Ve	getation I	Indicators	:	
5.							1 - Rapid Te	st for Hyd	rophytic V	egetation	
6							2 - Dominan	ce Test is	>50%		
7							3 - Prevalen	ce Index i	s ≤3.0 ¹		
9							4 - Morpholo	gical Ada	ptations ¹ (Provide su	pporting
0							data in Re	emarks or	on a sepa	rate sheet)
10.							Problematic	Hydrophy	rtic Vegeta	ition ¹ (Expl	lain)
Woody Vine Stra		t size:	30	100	=Total Cover		¹ Indicators of hyd be present, unles				/ must
1.	````						Hydrophytic		-		
2							Vegetation				
			_		=Total Cover	_	Present?	Yes	No	Х	
Remarks: (Inclue	de photo numbers	s here or o	n a sepai	rate sheet.)			•				

No hydrophytic vegetation indicators are met. The vegetation is not hydrophytic at DP-UPL-WSJ-011.

Profile Desc	ription: (Describe	e to the dept	th needed to doc	ument t	he indica	ator or o	confirm the absence	of indicators.)	
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-16	10YR 3/2	100					Loamy/Clayey	clay loam	
				·					
				·					
				·					
				·	·				
¹ Type: C=C	oncentration, D=De	nletion RM=	Reduced Matrix	MS=Mas	ked San	Grains	² l ocation	: PL=Pore Lining, M=Mat	rix
Hydric Soil			rteadea Matrix, 1		Red Ouri			s for Problematic Hydri	
Histosol			Sandy Gle	eved Mat	rix (S4)			t Prairie Redox (A16)	
	ipedon (A2)		Sandy Re					Manganese Masses (F12))
Black His			Stripped N					Parent Material (F21)	/
	n Sulfide (A4)		Dark Surfa	``	5)			Shallow Dark Surface (F2	22)
	Layers (A5)		Loamy Mu		eral (F1)			r (Explain in Remarks)	-2)
2 cm Mu			Loamy Gle	•	. ,		Ouic		
	Below Dark Surfac	(Δ11)	Depleted I	-					
· · ·	rk Surface (A12)	ж (АТТ)	Redox Da	`	,		³ Indicator	s of hydrophytic vegetatio	n and
	ucky Mineral (S1)		Depleted I		• •			and hydrology must be pre	
	cky Peat or Peat (S	3)	Redox De					s disturbed or problemati	
				pression	3 (10)		unies		6.
	_ayer (if observed)):							
Type:			_				Libraturia Calil Ducasant	2 V	
Depth (ir	iches).						Hydric Soil Present	? Yes	<u>No X</u>
Remarks:									
No hydric so	il indicators are me	t.The soil is h	nydric at DP-UPL-	WSJ-01	1.				
	0)/								
HYDROLO	GY								
-	drology Indicators								
	cators (minimum of	one is requir						ry Indicators (minimum of	<u>two required)</u>
	Water (A1)		Water-Sta		· · ·			ce Soil Cracks (B6)	
	ter Table (A2)		Aquatic Fa	•	'			age Patterns (B10)	
Saturatio			True Aqua					Season Water Table (C2)	
	arks (B1)		Hydrogen		-			fish Burrows (C8)	(22)
	t Deposits (B2)		Oxidized F			-		ration Visible on Aerial Im	
· ·	osits (B3)		Presence			, ,		ted or Stressed Plants (D	1)
	t or Crust (B4)		Recent Irc			lled Soil		norphic Position (D2)	
	osits (B5)	. (5-	Thin Muck		. ,		FAC-	Neutral Test (D5)	
	on Visible on Aerial	0,0	/ <u> </u>						
Sparsely	Vegetated Concav	e Surface (B	8) Other (Exp	plain in F	Remarks)				
Field Obser									
Surface Wat		es	No <u>X</u>	Depth (i	-				
Water Table		es	No <u>X</u>	Depth (i				_	
Saturation P		es	No <u>X</u>	Depth (i	nches):		Wetland Hydrolog	gy Present? Yes	<u>No X</u>
(includes cap					-				
L Doooribo Do	cordod Llata (stroar	n daude, mo	nitoring well, aeria	ai photos	, previou	s inspec	tions), if available:		

Remarks:

No indicators of wetland hydrology are observed. There is no wetland hydrology at DP-UPL-WSJ-011.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Proiect/Site: New W	estville to West Manch	ester	Citv/Co	ounty: Preble			Sampling Date:	6/30/2023
-	AES			, <u> </u>	State:	ОН	Sampling Point:	DP-WSJ-012
Investigator(s): Stuar	t Jennings, Hannah Sa	ixena	Section	Township, Range:	08 8N 1	E		
Landform (hillside, te	errace, etc.): terrace			Local relief (conca	ve, conve	ex, none):	concave	
Slope (%): 2-6	Lat: 39.8122992°		Long:	-84.7888035°			Datum: NAD 83 OI	H.S
Soil Map Unit Name:	Miami silt loam				Ν	IWI classi	fication: NA	
Are climatic / hydrolo	ogic conditions on the s	ite typical for this time o	f year?	Yes No) X	(If no, ex	plain in Remarks.)	
Are Vegetation N	, Soil N , or Hydro	logy N significantly of	disturbed?	Are "Normal Circun		" present?	Yes X No	2
		logy N naturally prot		(If needed, explain	any ansv	vers in Re	emarks.)	
		h site map showir		ing point location	ons, tra	ansects	, important fea	tures, etc.
Hydrophytic Vegeta Hydric Soil Present Wetland Hydrology	? Yes	X No		ne Sampled Area nin a Wetland?	Ŷ	′es_X	No	
•	•	at DP-WSJ-012; therefor limatologic conditions w	-			0		ecedent
VEGETATION -	Use scientific nam	nes of plants.						
		Absolute	Dominant	Indicator				

Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:	
1. 2.		·		Number of Dominant Species That Are OBL, FACW, or FAC:	<u>2 (</u> A)
3. 4.				Total Number of Dominant Species Across All Strata:	<u>2 (</u> B)
5		=Total Cover		Percent of Dominant Species That Are OBL, FACW, or FAC: 100	0.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15	_)			Prevalence Index worksheet:	
2		·			by:
2					20
1					60
4 5.		·			0
5		=Total Cover			0
Herb Stratum (Plot size: 5)					0
1. Typha angustifolia	60	Yes	FACW		80 (B)
2. Carex vulpinoidea	20	Yes	FACW	Prevalence Index = $B/A = 1.80$. ,
3. Scirpus atrovirens	15	No	OBL		
4. Glyceria striata	5	No	OBL	Hydrophytic Vegetation Indicators:	
5.		·		X 1 - Rapid Test for Hydrophytic Vegeta	ation
6.				X 2 - Dominance Test is >50%	
7.				X 3 - Prevalence Index is $\leq 3.0^{1}$	
8.				4 - Morphological Adaptations ¹ (Provi	de supporting
9.				data in Remarks or on a separate s	sheet)
10.				Problematic Hydrophytic Vegetation ¹	(Explain)
Woody Vine Stratum (Plot size: 30	100	=Total Cover		¹ Indicators of hydric soil and wetland hydr be present, unless disturbed or problemat	0,
1	_			Hydrophytic	
2.				Vegetation	
		=Total Cover		Present? Yes X No	-

Remarks: (Include photo numbers here or on a separate sheet.)

The rapid test, dominance test, and prevalence index are met. The vegetation is hydrophytic at DP-WSJ-012.

	cription: (Describe	to the dept				ator or	confirm the	absence o	of indicators.)
Depth (in shas)	Matrix	0/		x Featur		Loc ²	Tau		Derreerlie
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Туре				Remarks
0-14	10YR 4/1	80	7.5YR 3/4	20	С	PL	Loamy/	Clayey	
1								2.	
	oncentration, D=Dep	letion, RM=	Reduced Matrix, N	MS=Mas	ked Sand	d Grains	S.		PL=Pore Lining, M=Matrix.
Hydric Soil									s for Problematic Hydric Soils ³ :
Histosol			Sandy Gle	-					Prairie Redox (A16)
	pipedon (A2)		Sandy Red	• •					/anganese Masses (F12)
	stic (A3)		Stripped M	`)				Parent Material (F21)
	en Sulfide (A4)		Dark Surfa	• •					Shallow Dark Surface (F22)
	d Layers (A5)		Loamy Mu	-				Other	(Explain in Remarks)
	uck (A10) d Below Dark Surface	(11)	Loamy Gle	•	• •				
	ark Surface (A12)	e (ATT)	X Depleted N Redox Dat					³ Indiactor	s of hydrophytic vegetation and
	lucky Mineral (S1)		Depleted [• •				
	ucky Peat or Peat (S	2)	Redox Depleted 1	• • •)	wetland hydrology must be present, unless disturbed or problematic.			
				pression	5 (10)			unies	s disturbed of problematic.
	Layer (if observed):								
Type:							Ubudada Ca		
Depth (ir	ncnes):						Hydric So	oil Present	? Yes <u>X</u> No
HYDROLC	DGY								
Wetland Hy	drology Indicators:								
-	cators (minimum of o	one is requir	ed; check all that	apply)				Secondar	y Indicators (minimum of two required
Surface	Water (A1)		Water-Sta	ined Lea	ives (B9)			Surfa	ce Soil Cracks (B6)
High Wa	ater Table (A2)		Aquatic Fa	auna (B1	3)			Draina	age Patterns (B10)
Saturatio	on (A3)		True Aqua	tic Plant	s (B14)			Dry-S	eason Water Table (C2)
Water M	larks (B1)		Hydrogen	Sulfide (Odor (C1)		Crayfi	sh Burrows (C8)
Sedimer	nt Deposits (B2)		X Oxidized F	Rhizosph	eres on l	_iving R	Roots (C3)	Satura	ation Visible on Aerial Imagery (C9)
Drift Dep	posits (B3)		Presence	of Reduc	ced Iron ((C4)			ed or Stressed Plants (D1)
	at or Crust (B4)		Recent Iro	n Reduc	tion in Ti	lled Soi	ils (C6)		orphic Position (D2)
	oosits (B5)		Thin Muck		. ,			X FAC-I	Neutral Test (D5)
	on Visible on Aerial I								
Sparsely	Vegetated Concave	e Surface (B	8) Other (Exp	olain in F	Remarks)				
Field Obser	vations:								
Surface Wat		s			nches):				
Water Table		s			nches):				
Saturation P		s	No <u>X</u>	Depth (i	nches):		Wetland	d Hydrolog	y Present? Yes X No
	pillary fringe)								
Describe Re	corded Data (stream	gauge, mo	nitoring well, aeria	ai photos	, previou	s inspec	ctions), if ava	allable:	
Dementer									
Remarks:	(oxidized rhizosobe	es on living	roots) indicators	and two	seconda	v (FAC	-neutral test	& Geomor	ohic Position) indicators of wetland

hydrology are observed. There is wetland hydrology at DP-WSJ-012. Depression within agricultural drainage.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New Westville to West Manchester					unty: Preble	Sampling Date:	6/30/2023		
Applicant/Owner:	AES				State:	ОН	Sampling Point:	DP-UPL-WSJ-012	
Investigator(s): Stuart Jennings, Hannah Saxena					Township, Range:				
Landform (hillside, te	rrace, etc.):	terrace			Local relief (conca	ve, conve	ex, none)	none	
Slope (%): 2-6	Lat: <u>39.812</u>	23498 °i		Long:	-84.7887295°ř			Datum: NAD 83 OI	H.S
Soil Map Unit Name:	Miami silt lo:	am				N	IWI class	ification: NA	
Are climatic / hydrolo	gic condition	s on the site ty	pical for this time	of year?	Yes No	Х	(If no, ex	plain in Remarks.)	
Are Vegetation N	, Soil <u>N</u>	, or Hydrology	N significantly	/ disturbed?	Are "Normal Circum	nstances	" present	? Yes <u>X</u> No	o
Are Vegetation N	, Soil <u>N</u>	, or Hydrology	N naturally pr	oblematic?	(If needed, explain	any ansv	vers in Re	emarks.)	
SUMMARY OF F	FINDINGS	– Attach s	ite map show	ing sampli	ng point location	ons, tra	ansects	s, important fea	tures, etc.
Hydrophytic Vegeta Hydric Soil Present Wetland Hydrology	?	? Yes Yes Yes	No <u>X</u> No <u>X</u> No X		e Sampled Area in a Wetland?	Y	/es	<u>No X</u>	

Remarks:

Wetland parameters are not present at DP-UPL-WSJ-012; this is an upland area in a agricultural drainage. Hydrologic and climatologic data, over past 3 months, suggest drier than normal conditions at time of data collection.

VEGETATION - Use scientific names of plants.

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:
1				Number of Dominant Species That
2				Are OBL, FACW, or FAC: 0 (A)
3				Total Number of Dominant Species
4.				Across All Strata: <u>3</u> (B)
5.				Percent of Dominant Species That
		=Total Cover		Are OBL, FACW, or FAC: 0.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15)			
1				Prevalence Index worksheet:
2.				Total % Cover of: Multiply by:
3.				OBL species 0 x 1 = 0
4.				FACW species 0 x 2 = 0
5.				FAC species 0 x 3 = 0
		=Total Cover		FACU species 95 x 4 = 380
Herb Stratum (Plot size: 5)				UPL species 0 x 5 = 0
1. Festuca rubra	25	Yes	FACU	Column Totals: 95 (A) 380 (B)
2. Elymus canadensis	25	Yes	FACU	Prevalence Index = B/A = 4.00
3. Solidago canadensis	20	Yes	FACU	
4. Heracleum maximum	15	No	FACU	Hydrophytic Vegetation Indicators:
5. Phleum pratense	10	No	FACU	1 - Rapid Test for Hydrophytic Vegetation
6				2 - Dominance Test is >50%
7.				3 - Prevalence Index is ≤3.0 ¹
8.				4 - Morphological Adaptations ¹ (Provide supporting
9.				data in Remarks or on a separate sheet)
10.				Problematic Hydrophytic Vegetation ¹ (Explain)
	95	=Total Cover		¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size: 30)			be present, unless disturbed or problematic.
1				Hydrophytic
2				Vegetation
		=Total Cover		Present? Yes No X

Remarks: (Include photo numbers here or on a separate sheet.)

No hydrophytic vegetation indicators are met. The vegetation is not hydrophytic at DP-UPL-WSJ-012.

	Matrix		Redo	x Featu	res						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks		
0-14	10YR 4/2	100					Loamy/Clayey		clay loam		
					·			·			
					·			·			
					·			. <u> </u>			
					·			·			
	<u> </u>										
¹ Type: C=C	Concentration, D=Dep	letion, RM	I=Reduced Matrix, N	/S=Mas	ked Sand	Grains	² Locatio	n: PL=Pore Lin	ning, M=Matri	ix.	
Hydric Soil	Indicators:							ors for Problen			
Histoso	l (A1)		Sandy Gle	yed Mat	trix (S4)		Coa	st Prairie Redo	x (A16)		
Histic E	pipedon (A2)		Sandy Red	dox (S5))		Iron	-Manganese Ma	asses (F12)		
Black H	listic (A3)		Stripped M	latrix (S	6)		Rec	I Parent Materia	al (F21)		
Hydrog	en Sulfide (A4)		Dark Surfa	ace (S7)			Ver	y Shallow Dark	Surface (F22	2)	
Stratifie	d Layers (A5)		Loamy Mu	cky Min	eral (F1)		Oth	er (Explain in R	emarks)		
2 cm M	uck (A10)		Loamy Gle	eyed Ma	trix (F2)						
Deplete	d Below Dark Surface	e (A11)	Depleted N	Matrix (F	3)						
Thick D	ark Surface (A12)		Redox Da	rk Surfa	ce (F6)		³ Indicate	ors of hydrophyt	tic vegetatior	n and	
Sandy I	Mucky Mineral (S1)		Depleted [Dark Su	face (F7)		wetland hydrology must be present,				
5 cm M	ucky Peat or Peat (S	3)	Redox De	pression	ıs (F8)		unless disturbed or problematic.				
Restrictive	Layer (if observed):										
Type:											
Remarks:	inches): oil indicators are met.	The soil is	hydric at DP-UPL-	WSJ-01	2.		Hydric Soil Prese	nt?	Yes	No <u>X</u>	
Remarks:	·	The soil is	hydric at DP-UPL-	WSJ-01	2.		Hydric Soil Prese	nt?	Yes	<u>No X</u>	
Remarks: No hydric s	oil indicators are met.	The soil is	hydric at DP-UPL-	WSJ-01	2.		Hydric Soil Prese	1t?	Yes	<u>No X</u>	
Remarks: No hydric s HYDROL(oil indicators are met.	The soil is	hydric at DP-UPL-	WSJ-01	2.		Hydric Soil Prese	nt?	Yes	No <u>×</u>	
Remarks: No hydric s 1YDROL(Wetland Hy	oil indicators are met.				2.			nt? ary Indicators (r			
Remarks: No hydric s IYDROL(Wetland Hy Primary Ind	oil indicators are met. DGY ydrology Indicators:			apply)			<u>Second</u>		ninimum of t		
Remarks: No hydric s IYDROL(Wetland Hy Primary Ind Surface	oil indicators are met. DGY /drology Indicators: icators (minimum of c		ired; check all that	apply) ined Lea	aves (B9)		Second	ary Indicators (r	ninimum of t		
Remarks: No hydric s HYDROL(Wetland Hy Primary Ind Surface	oil indicators are met. DGY ydrology Indicators: icators (minimum of c Water (A1) ater Table (A2)		iired; check all that Water-Sta	apply) ined Lea auna (B1	aves (B9) 13)		<u>Second</u> Sur Dra	ary Indicators (r face Soil Cracks	<u>ninimum of t</u> s (B6) (B10)		
Remarks: No hydric s IYDROL(Wetland Hy Primary Ind Surface High W Saturat Water M	DGY Arology Indicators: icators (minimum of c Water (A1) ater Table (A2) ion (A3) Marks (B1)		iired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen	apply) ined Lea auna (B1 tic Plani Sulfide (aves (B9) 13) 1s (B14) Odor (C1)	<u>Second</u> Sur Dra Dry Cra	ary Indicators (r face Soil Cracks inage Patterns -Season Water yfish Burrows ((<u>ninimum of t</u> s (B6) (B10) Table (C2) C8)	wo require	
Remarks: No hydric s IYDROL(Wetland Hy Primary Ind Surface High W Saturat Water N Sedime	oil indicators are met. DGY ydrology Indicators: icators (minimum of co Water (A1) ater Table (A2) ion (A3) Marks (B1) nt Deposits (B2)		iired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F	apply) ined Lea auna (B1 tic Plan Sulfide (Rhizosph	aves (B9) 13) ts (B14) Odor (C1 neres on l) ₋iving R	<u>Second</u> Sur Dra Dry Cra oots (C3)Sat	ary Indicators (r face Soil Cracks inage Patterns -Season Water yfish Burrows (0 uration Visible c	ninimum of t s (B6) (B10) Table (C2) C8) on Aerial Ima	wo required	
Remarks: No hydric s HYDROLO Wetland Hy Primary Ind Surface High W Saturat Water N Sedime Drift De	DGY ydrology Indicators: icators (minimum of co Water (A1) ater Table (A2) ion (A3) Marks (B1) nt Deposits (B2) posits (B3)		<u>uired; check all that</u> Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence	<u>apply)</u> ined Lea auna (B1 tic Plan Sulfide (Rhizosph of Redu	aves (B9) 13) ts (B14) Odor (C1 neres on I ced Iron () ₋iving R C4)	<u>Second</u> Sur Dra Dry Cra oots (C3) Stu	ary Indicators (r face Soil Cracks inage Patterns -Season Water yfish Burrows (0 uration Visible c nted or Stressed	<u>ninimum of t</u> s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1)	wo required	
Remarks: No hydric s HYDROL(Wetland Hy Primary Ind Surface High W Saturat Water M Sedime Drift De Algal M	DGY ydrology Indicators: icators (minimum of c Water (A1) ater Table (A2) ion (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)		ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro	apply) ined Lea auna (B1 tic Plan Sulfide G Rhizosph of Redu n Redu	aves (B9) 13) ts (B14) Odor (C1 heres on l ced Iron (ction in Ti) ₋iving R C4)	<u>Second</u> Sur Dra Dry Cra oots (C3)Sat Stu Stu Stu	ary Indicators (r face Soil Cracks inage Patterns Season Water yfish Burrows (c uration Visible c nted or Stressed omorphic Positio	minimum of t s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1) on (D2)	wo required	
Remarks: No hydric s HYDROLO Wetland Hy Primary Ind Surface High W Saturat Water M Sedime Drift De Algal M Iron De	DGY /drology Indicators: icators (minimum of c Water (A1) ater Table (A2) ion (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	one is requ	iired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck	apply) ined Lea auna (B1 tic Plan Sulfide (Rhizosph of Redu n Reduc Surface	aves (B9) 13) ts (B14) Odor (C1 neres on I ced Iron (ction in Ti ∋ (C7)) ₋iving R C4)	<u>Second</u> Sur Dra Dry Cra oots (C3)Sat Stu Stu Stu	ary Indicators (r face Soil Cracks inage Patterns -Season Water yfish Burrows (0 uration Visible c nted or Stressed	minimum of t s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1) on (D2)	wo required	
Remarks: No hydric s IYDROLO Wetland Hy Primary Ind Surface High W Saturat Water N Saturat Urift De Algal M Iron De Inundat	DGY Arrology Indicators: icators (minimum of content Water (A1) ater Table (A2) ion (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aerial I	one is requ	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck	apply) ined Lea auna (B1 tic Plan Sulfide (Rhizosph of Redu n Reduc Surface Well Da	aves (B9) 13) Odor (C1) neres on I ced Iron (ction in Ti e (C7) ta (D9)) ₋iving R (C4) Iled Soi	<u>Second</u> Sur Dra Dry Cra oots (C3)Sat Stu Stu Stu	ary Indicators (r face Soil Cracks inage Patterns Season Water yfish Burrows (c uration Visible c nted or Stressed omorphic Positio	minimum of t s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1) on (D2)	wo required	
Remarks: No hydric s HYDROLO Wetland Hy Primary Ind Surface High W Saturat Water N Sedime Drift De Algal M Iron De Inundat Sparsel	DGY /drology Indicators: icators (minimum of co Water (A1) ater Table (A2) ion (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aerial I y Vegetated Concave	one is requ	ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck	apply) ined Lea auna (B1 tic Plan Sulfide (Rhizosph of Redu n Reduc Surface Well Da	aves (B9) 13) Odor (C1) neres on I ced Iron (ction in Ti e (C7) ta (D9)) ₋iving R (C4) Iled Soi	<u>Second</u> Sur Dra Dry Cra oots (C3)Sat Stu Stu Stu	ary Indicators (r face Soil Cracks inage Patterns Season Water yfish Burrows (c uration Visible c nted or Stressed omorphic Positio	minimum of t s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1) on (D2)	wo required	
Remarks: No hydric s HYDROLO Wetland Hy Primary Ind Surface High W Saturat Water M Saturat Urift De Algal M Iron De Inundat Sparsel Field Obse	DGY ydrology Indicators: icators (minimum of of Water (A1) ater Table (A2) ion (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aerial I y Vegetated Concave rvations:	one is requ magery (B s Surface (ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck (7) Gauge or B8) Other (Exp	apply) ined Lea auna (B1 tic Plan Sulfide (Rhizosph of Redu n Reduc Surface Well Da olain in F	aves (B9) 13) ts (B14) Odor (C1) ced Iron (ction in Ti e (C7) ta (D9) Remarks)) Living R C4) Iled Soi	<u>Second</u> Sur Dra Dry Cra oots (C3)Sat Stu Stu Stu	ary Indicators (r face Soil Cracks inage Patterns Season Water yfish Burrows (c uration Visible c nted or Stressed omorphic Positio	minimum of t s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1) on (D2)	wo required	
Remarks: No hydric s HYDROLO Wetland Hy Primary Ind Surface High W Saturat Water N Sedime Drift De Algal M Iron De Inundat Sparsel Surface Wa	DGY ydrology Indicators: icators (minimum of c Water (A1) ater Table (A2) ion (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aerial I y Vegetated Concave rvations: iter Present? Ye	one is requ magery (B s Surface (ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck (7) B8) Other (Exp No X	apply) ined Lea auna (B1 tic Plan Sulfide (Rhizosph of Redu n Reduc Surface Well Da blain in F	aves (B9) 13) ts (B14) Odor (C1) neres on I ced Iron (ction in Ti e (C7) ta (D9) Remarks) inches): _) Living R C4) Iled Soi	<u>Second</u> Sur Dra Dry Cra oots (C3)Sat Stu Stu Stu	ary Indicators (r face Soil Cracks inage Patterns Season Water yfish Burrows (c uration Visible c nted or Stressed omorphic Positio	minimum of t s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1) on (D2)	wo required	
Remarks: No hydric s HYDROLO Wetland Hy Primary Ind Surface High W Saturat Water N Sedime Drift De Algal M Iron De Inundat Sparsel Field Obse Surface Wa Water Table	DGY ydrology Indicators: icators (minimum of c Water (A1) ater Table (A2) ion (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aerial I y Vegetated Concave rvations: ater Present? Ye	magery (B Surface (iired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck (7) Gauge or (88) Other (Exp No X No X	apply) ined Lea auna (B1 tic Plan Sulfide (Rhizosph of Redu n Reduc Surface Well Da blain in F Depth (i Depth (i	aves (B9) 13) ts (B14) Odor (C1) neres on I ced Iron (ction in Ti e (C7) ta (D9) Remarks) inches): _ inches):) Living R C4) Iled Soi	Second Sur Dra Dry Cra oots (C3)Sat Stu is (C6)Stu FAC	ary Indicators (r face Soil Cracks inage Patterns (-Season Water yfish Burrows (0 uration Visible c nted or Stressed omorphic Positio C-Neutral Test (ninimum of t s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1) on (D2) D5)	wo required gery (C9)	
Remarks: No hydric s HYDROLO Wetland Hy Primary Ind Surface High W Saturat Water N Sedime Drift De Algal M Iron De Inundat Sparsel Surface Wa Water Table Saturation F	DGY vdrology Indicators: icators (minimum of of Water (A1) ater Table (A2) ion (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aerial I y Vegetated Concave rvations: iter Present? Ye Present? Ye	magery (B Surface (iired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck (7) Gauge or (88) Other (Exp No X No X	apply) ined Lea auna (B1 tic Plan Sulfide (Rhizosph of Redu n Reduc Surface Well Da blain in F Depth (i Depth (i	aves (B9) 13) ts (B14) Odor (C1) neres on I ced Iron (ction in Ti e (C7) ta (D9) Remarks) inches): _) Living R C4) Iled Soi	<u>Second</u> Sur Dra Dry Cra oots (C3)Sat Stu Stu Stu	ary Indicators (r face Soil Cracks inage Patterns (-Season Water yfish Burrows (0 uration Visible c nted or Stressed omorphic Positio C-Neutral Test (minimum of t s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1) on (D2)	wo required	
Remarks: No hydric s No hydric s HYDROLO Wetland Hy Primary Ind Surface High W Saturat Water N Saturat Drift De Algal M Iron De Inundat Sparsel Field Obse Surface Wa Water Table Saturation F (includes ca	DGY vdrology Indicators: icators (minimum of of Water (A1) ater Table (A2) ion (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aerial I y Vegetated Concave rvations: ter Present? Ye Present? Ye apillary fringe)	magery (B Surface (ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck (7) Gauge or B8) Other (Exp No X No X No X	apply) ined Lea auna (B1 tic Plan Sulfide Rhizosph of Redu n Reduc Surface Well Da blain in F Depth (i Depth (i	aves (B9) 13) ts (B14) Odor (C1 neres on I ced Iron (ction in Ti e (C7) ta (D9) Remarks) inches): _ inches): _) Living R C4) Iled Soi	<u>Second</u> Sur Dra Dry Cra oots (C3) Satu Stu Is (C6) X Geo FAC	ary Indicators (r face Soil Cracks inage Patterns (-Season Water yfish Burrows (0 uration Visible c nted or Stressed omorphic Positio C-Neutral Test (ninimum of t s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1) on (D2) D5)	wo required gery (C9)	
Remarks: No hydric s HYDROLO Wetland Hy Primary Ind Surface High W Saturat Water N Saturat Drift De Algal M Iron De Inundat Sparsel Field Obse Surface Wa Water Table Saturation F (includes ca	DGY vdrology Indicators: icators (minimum of of Water (A1) ater Table (A2) ion (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aerial I y Vegetated Concave rvations: iter Present? Ye Present? Ye	magery (B Surface (ired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen Oxidized F Presence Recent Iro Thin Muck (7) Gauge or B8) Other (Exp No X No X No X	apply) ined Lea auna (B1 tic Plan Sulfide Rhizosph of Redu n Reduc Surface Well Da blain in F Depth (i Depth (i	aves (B9) 13) ts (B14) Odor (C1 neres on I ced Iron (ction in Ti e (C7) ta (D9) Remarks) inches): _ inches): _) Living R C4) Iled Soi	<u>Second</u> Sur Dra Dry Cra oots (C3) Satu Stu Is (C6) X Geo FAC	ary Indicators (r face Soil Cracks inage Patterns (-Season Water yfish Burrows (0 uration Visible c nted or Stressed omorphic Positio C-Neutral Test (ninimum of t s (B6) (B10) Table (C2) C8) on Aerial Ima d Plants (D1) on (D2) D5)	wo required gery (C9)	

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

See ERDC/EL TR-10-16; the proponent agency is	S CECW-CO-R	(Authonity: AR 555-15, para	grapii 5-2a)
Project/Site: New Westville to West Manchester	City/County: Jackson	/Preble Sampling D	ate: 06/29/2023
Applicant/Owner: AES		State: OH Sampling Po	pint: DP-WSJ-017
Investigator(s): Stuart Jennings, Hannah Saxena	Section, Township, Rai	nge: S7 T8N R1E	
Landform (hillside, terrace, etc.): agricultural depression	Local relief (c	oncave, convex, none): concave	
Slope (%): 0-2 Lat: 39.810741	Long: -84.801314	Datum: NAD 8	33 OH.S
Soil Map Unit Name: Kokomo silt loam		NWI classification: N/A	
Are climatic / hydrologic conditions on the site typical for this time of	year? Yes	No X (If no, explain in Remar	ks.)
Are Vegetation N , Soil N , or Hydrology N significantly di	sturbed? Are "Normal C	Circumstances" present? Yes X	No
Are Vegetation N , Soil N , or Hydrology N naturally probl	ematic? (If needed, ex	plain any answers in Remarks.)	
SUMMARY OF FINDINGS – Attach site map showing	g sampling point lo	cations, transects, important	features, etc.
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No Remarks: All three wetland parameters were present at the data collection loc Hydrologic and climatologic data, over past 3 months, suggest drier	· · ·	Yes X No	Itural depression.
VEGETATION – Use scientific names of plants.	Dominant Indicator		
<u>Tree Stratum</u> (Plot size: <u>30</u>) <u>% Cover</u> 1.	Species? Status	Dominance Test worksheet:	
2.		Number of Dominant Species That Are OBL, FACW, or FAC:	1 (A)
3. 4.		Total Number of Dominant Species Across All Strata:	2 (B)
5	Total Cover	Percent of Dominant Species That Are OBL, FACW, or FAC:	50.0% (A/B)
1.		Prevalence Index worksheet:	
2.		Total % Cover of: Mu	ultiply by:
3.		OBL species 0 x 1 =	0
4		FACW species 80 x 2 =	160
5	Total Cover	FAC species 25 x 3 = FACU species 17 x 4 =	75 68
==		FACU species 17 x 4 =	00

5.				FAC species 25 x 3 = 75
		=Total Cover		FACU species 17 x 4 = 68
Herb Stratum (Plot size: 5)		_		UPL species 20 x 5 = 100
1. Carex frankii	15	No	FACW	Column Totals: 142 (A) 403 (B)
2. Echinochloa crus-galli	65	Yes	FACW	Prevalence Index = B/A = 2.84
3. Glycine max	20	Yes	UPL	
4. Juncus tenuis	10	No	FAC	Hydrophytic Vegetation Indicators:
5. Rumex crispus	10	No	FAC	1 - Rapid Test for Hydrophytic Vegetation
6. Solidago canadensis	15	No	FACU	2 - Dominance Test is >50%
7. Plantago major	5	No	FAC	X 3 - Prevalence Index is ≤3.0 ¹
8. Oxalis stricta	2	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
9.				data in Remarks or on a separate sheet)
10.				Problematic Hydrophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:)	142	=Total Cover		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1				Hydrophytic
2		=Total Cover		Vegetation Present? Yes <u>X</u> No
B I A I I I I I		`		•

Remarks: (Include photo numbers here or on a separate sheet.)

The dominance test and prevalence index are met. The vegetation is hydrophytic at DP-WSJ-017.

		to the dep				ator or	confirm the absence	of indicators.)		
Depth	Matrix			x Featur		. 2				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-10	10YR 3/1	100					Loamy/Clayey	Silty clay loam		
10-16	10YR 4/1	80	7.5YR 3/4	20	С	PL	Loamy/Clayey	Prominent redox concentrations		
				·						
				·			·			
1 T urney 0-0			- Deduced Metric				21 +:			
Hydric Soil	oncentration, D=Dep	ietion, Rivi-	-Reduced Matrix, I	vi5=ivias	ked Sand	Grains		: PL=Pore Lining, M=Matrix.		
Histosol			Sandy Gle	wod Mat	riv (91)			s for Problematic Hydric Solis . st Prairie Redox (A16)		
	oipedon (A2)		Sandy Gie Sandy Re	-				Manganese Masses (F12)		
Black Hi			Stripped N	• • •				Parent Material (F21)		
	n Sulfide (A4)		Dark Surfa	``))			Shallow Dark Surface (F22)		
	l Layers (A5)		Loamy Mu	• • •	orol (E1)			r (Explain in Remarks)		
	ick (A10)		Loamy Gl	-						
	Below Dark Surface	Δ11)	X Depleted I	-						
	ark Surface (A12)	2 ((((())))	Redox Da				³ Indicator	s of hydrophytic vegetation and		
	lucky Mineral (S1)		Depleted I		• •			and hydrology must be present,		
	icky Peat or Peat (S3	3)	Redox De		• • •		unless disturbed or problematic.			
_				pression	0 (1 0)					
	Layer (if observed):									
Type: Depth (ir							Hydric Soil Presen	t? Yes X No		
Deptil (il	icites).						Hydric Soli Presen			
	·		·		X	,	net. The soil is hydric a			
HYDROLO	GY									
Wetland Hy	drology Indicators:									
Primary India	cators (minimum of c	ne is requi	red; check all that	apply)			Seconda	ry Indicators (minimum of two required)		
Surface	Water (A1)		Water-Sta	ined Lea	ives (B9)		Surfa	ace Soil Cracks (B6)		
High Wa	iter Table (A2)		Aquatic Fa	auna (B1	3)		Drair	nage Patterns (B10)		
Saturatio	on (A3)		True Aqua	atic Plant	s (B14)		Dry-S	Season Water Table (C2)		
Water M	arks (B1)		Hydrogen	Sulfide (Odor (C1)	X Cray	fish Burrows (C8)		
Sedimer	nt Deposits (B2)		X Oxidized F	Rhizosph	eres on l	_iving R	Roots (C3) Satu	ration Visible on Aerial Imagery (C9)		
Drift Dep	oosits (B3)		Presence	of Reduc	ced Iron ((C4)	Stun	ted or Stressed Plants (D1)		
Algal Ma	it or Crust (B4)		Recent Irc	on Reduc	tion in Ti	lled Soi	ils (C6) X Geor	norphic Position (D2)		
Iron Dep	osits (B5)		Thin Muck	Surface	e (C7)		FAC	Neutral Test (D5)		
	on Visible on Aerial I	0,0	· Ŭ							
Sparsely	Vegetated Concave	Surface (E	38) Other (Ex	plain in F	Remarks)					
Field Obser	vations:									
Surface Wat	er Present? Ye	S	No <u>X</u>		nches):					
Water Table	Present? Ye	S	No <u>X</u>		nches):					
Saturation P	resent? Ye	s	No <u>X</u>	Depth (i	nches):		Wetland Hydrolog	gy Present? Yes <u>X</u> No		
(includes ca										
Describe Re	corded Data (stream	gauge, mo	onitoring well, aeria	al photos	, previou	s inspe	ctions), if available:			
. .										
Remarks:	(Ovidized Phizeenh	aros on Liv	ing Poots) and two	second	any (anor	nornhia	nosition and Craufich	Burrows) indicators of wetland		

One primary (Oxidized Rhizospheres on Living Roots) and two secondary (geomorphic position and Crayfish Burrows) indicators of wetland hydrology are observed. There is wetland hydrology at DP-WSJ-017. Agricultural depression.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New W	estville to West	Mancheste	r		City/Co	unty: Jackson	n/Preb	le		Sampling Date:	10/17/2023
Applicant/Owner:	AES							State:	ОН	Sampling Point:	DP-UPL-WSJ-017
Investigator(s): Stuar	t Jennings, Hai	nnah Saxen	а		Section,	Township, Rai	nge:	07 8N 1	IE		
Landform (hillside, te	errace, etc.): te	rrace				Local relief (c	conca	/e, conv	ex, none):	concave	
Slope (%): 6-12	Lat: <u>39.8108</u>	31			Long:	-84.801334				Datum: NAD 83 OF	H.S
Soil Map Unit Name:	Miami loam							<u> </u>	IWI classi	fication: NA	
Are climatic / hydrolo	ogic conditions	on the site t	ypical fo	r this time of	f year?	Yes	No	Х	(If no, ex	plain in Remarks.)	
Are Vegetation N	, Soil <u>N</u> , c	or Hydrology	<u>N</u> si	ignificantly d	isturbed?	Are "Normal C	Circum	stances	" present?	Yes <u>X</u> No	
Are Vegetation N	, Soil <u>N</u> , c	or Hydrology	<u>N</u> n	aturally prob	lematic?	(If needed, exp	plain a	any ansv	vers in Re	marks.)	
SUMMARY OF	FINDINGS -	Attach s	ite ma	p showin	g sampli	ng point lo	catio	ons, tra	ansects	, important fea	tures, etc.
Hydrophytic Vegeta	tion Present?	Yes	No	Х	ls th	e Sampled Ar	rea				
Hydric Soil Present	?	Yes	No	Х	with	in a Wetland?	?	Y	′es	No X	
Wetland Hydrology	Present?	Yes	No	Х							
Remarks:											
Wetland parameter conditions at time o				•	-	natologic data,	, over	past 3 n	nonths, su	ggest drier than noi	mal
VEGETATION -	Use scientif	ic names	of plar	nts.							
Trop Stratum	(Dist size:	20)	Absolute	Dominant	Indicator	Do	minana	Tootwo	rka ha atu	

Tree Stratum	(Plot size:	30)	% Cover	Species?	Status	Dominance Test worksheet:		
1. 2.							Number of Dominant Species Tha Are OBL, FACW, or FAC:	t 0	(A)
4							Total Number of Dominant Specie Across All Strata:	s 1	(B)
	(D) - (=Total Cover		Percent of Dominant Species That Are OBL, FACW, or FAC:	0.0%	(A/B)
Sapling/Shrub Strat			15)				Prevalence Index worksheet:		
···								/ultiply by:	
3								= 0	-
4							FACW species 0 x 2 =	0	-
5.					·		FAC species 0 x 3 =	0	-
					=Total Cover		FACU species 90 x 4 =	360	-
Herb Stratum	(Plot size:	5)				UPL species 10 x 5 =	50	
1. Festuca rubra				80	Yes	FACU	Column Totals: 100 (A)	410	(B)
2. Glycine max				10	No	UPL	Prevalence Index = B/A =	4.10	
3. Cornus amomur	n			5	No	FACU			
4. Hackelia virginia	ana			5	No	FACU	Hydrophytic Vegetation Indicato	rs:	
5.							1 - Rapid Test for Hydrophytic	Vegetation	
0					<u></u>		2 - Dominance Test is >50%		
7							3 - Prevalence Index is ≤3.0 ¹		
8.							4 - Morphological Adaptations	• •	porting
9.							data in Remarks or on a se	parate sheet)	
10							Problematic Hydrophytic Vege	tation ¹ (Expla	in)
Woody Vine Stratur	<u>n</u> (Plot	size:)	100	=Total Cover		¹ Indicators of hydric soil and wetla be present, unless disturbed or pro-		must
1							Hydrophytic		
2.							Vegetation		
					=Total Cover			o_X_	
Pomarka: (Include	nhoto numboro	horo or o		ate aboat					

Remarks: (Include photo numbers here or on a separate sheet.)

No indicators of hydrophytic vegetation are met. The vegetation is not hydrophytic at DP-UPL-WSJ-017.

Profile Des	cription: (Describe	to the depth	needed to do	ocument t	he indica	ator or o	confirm the absence of	indicators.)	
Depth	Matrix		Ree	dox Featu	res				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-4	10YR 4/2	100					Loamy/Clayey		
4-16	10YR 4/3	100					Loamy/Clayey		
		<u> </u>							
		<u> </u>							
. <u></u>									
	oncentration, D=Depl	etion, RM=R	educed Matrix	, MS=Mas	ked San	d Grains		PL=Pore Lining, M=Matrix	-
Hydric Soil								for Problematic Hydric S	Soils':
Histosol				leyed Mat				Prairie Redox (A16)	
	pipedon (A2)			edox (S5)				inganese Masses (F12)	
	istic (A3)			Matrix (S				rent Material (F21)	
	en Sulfide (A4)			rface (S7)				nallow Dark Surface (F22))
	d Layers (A5)			Aucky Min			Other (Explain in Remarks)	
	uck (A10)	()		Gleyed Ma					
	d Below Dark Surface	(ATT)		d Matrix (F			³ Indiantora	of hydrophytic vegetation	and
	ark Surface (A12) /lucky Mineral (S1)			ark Surfa d Dark Su	• •			I hydrology must be prese	
	ucky Peat or Peat (S3)		epression	• •			disturbed or problematic.	fiit,
)		epression	5 (10)		uness		
	Layer (if observed):								
Type:	nahaa);		-				Hudria Cail Dracant?	Vac	
Depth (i	ncnes):		_				Hydric Soil Present?	Yes	No <u>X</u>
Remarks:		_							
No hydric so	oil indicators are met.	The soil is no	ot hydric at DF	-UPL-WS	J-017.				
HYDROLO									
	drology Indicators: cators (minimum of o	no is roquiror	t chock all the	at apply)			Secondary	Indicators (minimum of tw	(o roquirod)
	Water (A1)			tained Lea	aves (BQ)			e Soil Cracks (B6)	<u>/////equiled/</u>
	ater Table (A2)			Fauna (B1	()			je Patterns (B10)	
Saturatio	()			uatic Plan	,			ason Water Table (C2)	
	larks (B1)		<u> </u>	n Sulfide	```)		n Burrows (C8)	
	nt Deposits (B2)			l Rhizospł	-		·	ion Visible on Aerial Imag	erv (C9)
	posits (B3)			e of Redu		-		l or Stressed Plants (D1)	
	at or Crust (B4)			ron Reduc		· ·		rphic Position (D2)	
	posits (B5)			ck Surface			. ,	eutral Test (D5)	
	on Visible on Aerial Ir	nagery (B7)	Gauge o	or Well Da	ta (D9)				
Sparsely	y Vegetated Concave	Surface (B8)		xplain in F					
Field Obser	rvations:								
Surface Wa	ter Present? Ye	s	No X	Depth (i	nches):				
Water Table			No X	Depth (i	· -				
Saturation F	Present? Ye	s	No X	Depth (i	-		Wetland Hydrology	Present? Yes	No <u>X</u>
(includes ca	pillary fringe)				-				
Describe Re	ecorded Data (stream	gauge, moni	toring well, ae	rial photos	, previou	s inspec	ctions), if available:		

Remarks:

No indicators of wetland hydrology are observed. There is not wetland hydrology at DP-UPL-WSJ-017.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New W	estville to West	. Manchester		City/Co	ounty: Jackson/Pret	ole		Sampling Date	e: <u>10/17/2023</u>
Applicant/Owner:	AES					State:	ОН	Sampling Point	t: DP-WSJ-018
Investigator(s): Stuar	t Jennings, Har	nah Saxena		Section	, Township, Range:	07 8N	1E		
Landform (hillside, te	errace, etc.): <u>st</u> r	ream floodpla	in		Local relief (conca	ve, conv	vex, none	e): concave	
Slope (%): 0-1	Lat: <u>39.8146</u>	320		Long	: -84.8063561			Datum: NAD 83	OH.S
Soil Map Unit Name:	Rossburg silt I	oam, modera	tely wet, sandy sub	stratum; o	cc. Flooded		NWI clas	ssification: R4SBC	
Are climatic / hydrolo	ogic conditions	on the site tyr	pical for this time of	year?	Yes No	<u>х</u>	(If no, e	explain in Remarks.)
Are Vegetation N	, Soil <u>N</u> , c	r Hydrology	N significantly dis	sturbed?	Are "Normal Circun	nstance	s" preser	nt? Yes X	No
Are Vegetation N	, Soil <u>N</u> , c	r Hydrology	N naturally proble	ematic?	(If needed, explain	any ans	wers in F	Remarks.)	
SUMMARY OF	FINDINGS -	Attach sif	:e map showinເ	j sampl	ing point locati	ons, ti	ransec	ts, important fe	eatures, etc.
Hydrophytic Vegeta Hydric Soil Present		Yes <u>X</u> Yes X	No No		he Sampled Area hin a Wetland?		Yes X	No	
Tryunc Son Tresent	:	TES A	NO	with			163 /	NO	

Hydrophytic Vegetation Present?	Yes X	No	Is the Sampled Area			
Hydric Soil Present?	Yes X	No	within a Wetland?	Yes	Х	No
Wetland Hydrology Present?	Yes X	No				

Remarks:

All Three wetland parameters are present at DP-WSJ-018; this area is a PEM wetland. Hydrologic and climatologic data, over past 3 months, suggest drier than normal conditions at time of data collection.

VEGETATION - Use scientific names of plants.

<u>Tree Stratum</u> (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Salix nigra	15	Yes	OBL	
2.		103		Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
3				Total Number of Dominant Species Across All Strata: 3 (B)
5.				Percent of Dominant Species That
	15	=Total Cover		Are OBL, FACW, or FAC: 100.0% (A/B)
Sapling/Shrub Stratum (Plot size: 15)				
1				Prevalence Index worksheet:
2.				Total % Cover of: Multiply by:
3.				OBL species 61 x 1 = 61
4.				FACW species 41 x 2 = 82
5.				FAC species 1 x 3 = 3
		=Total Cover		FACU species 10 x 4 = 40
Herb Stratum (Plot size: 5)				UPL species 2 x 5 = 10
1. Typha latifolia	35	Yes	OBL	Column Totals: 115 (A) 196 (B)
2. Phalaris arundinacea	30	Yes	FACW	Prevalence Index = B/A = 1.70
3. Solidago canadensis	10	No	FACU	
4. Lycopus americanus	5	No	OBL	Hydrophytic Vegetation Indicators:
5. Symphyotrichum novae-angliae	5	No	FACW	1 - Rapid Test for Hydrophytic Vegetation
6. Eupatorium perfoliatum	4	No	OBL	X 2 - Dominance Test is >50%
7. Symphyotrichum lateriflorum	2	No	FACW	X 3 - Prevalence Index is ≤3.0 ¹
8. Sericocarpus linifolius	2	No	UPL	4 - Morphological Adaptations ¹ (Provide supporting
9. Impatiens capensis	2	No	FACW	data in Remarks or on a separate sheet)
10. Juncus torreyi	2	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
	100	=Total Cover		¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size:)				be present, unless disturbed or problematic.
1				Hydrophytic
2				Vegetation
		=Total Cover		Present? Yes X No

Remarks: (Include photo numbers here or on a separate sheet.)

The dominance test and prevalence index are met. The vegetation is hydrophytic at DP-WSJ-018.

VEGETATION Continued – Use scientific names of plants.

	Absolute	Dominant	Indicator	
Tree Stratum	% Cover	Species?	Status	Definitions of Vegetation Strata:
6				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7		<u></u>		at breast height (DBH), regardless of height.
8				
9				Sapling/Shrub – Woody plants less than 3 in. DBH
10				and greater than 3.28 ft (1 m) tall.
11				Herb – All herbaceous (non-woody) plants, including
12.				herbaceous vines, regardless of size, and woody plants
13				less than 3.28 ft tall.
	15	=Total Cover		Woody Vine – All woody vines greater than 3.28 ft in
Sapling/Shrub Stratum				height.
		·		
		·		
10		·		
11		·		
12		·		
13				
		=Total Cover		
Herb Stratum				
11. Epilobium coloratum	2	No	OBL	
12. Juncus tenuis	1	No	FAC	
13		. <u> </u>		
14				
15				
16				
17				
18				
19				
20.				
21.				
22.				
	100	=Total Cover		
Woody Vine Stratum	100			
3.				
4.				
		·		
5.				
6				
7				
		=Total Cover		

Remarks: (Include photo numbers here or on a separate sheet.)

Depth	Matr	ix	Redo	x Featur	es			
(inches)	Color (moist	:) %	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 3/2	100					Loamy/Clayey	Silty clay loam
5-16	10YR 4/1	80	7.5YR 3/4	20	С	М	Loamy/Clayey	Prominent redox concentrations
• •		Depletion, RN	I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.		n: PL=Pore Lining, M=Matrix.
•	Indicators:				· (0.1)			rs for Problematic Hydric Soils ³ :
Histoso	()		Sandy Gle	-	rix (S4)			st Prairie Redox (A16)
	pipedon (A2)		Sandy Re	. ,				Manganese Masses (F12)
	istic (A3)		Stripped M	-	5)			Parent Material (F21)
	en Sulfide (A4)		Dark Surfa					Shallow Dark Surface (F22)
	d Layers (A5)		Loamy Mu	•	• •		Othe	er (Explain in Remarks)
	uck (A10)	• ····	Loamy Gle	•	• •			
	d Below Dark Sur		X Depleted I		-		3	
	ark Surface (A12)		Redox Da					rs of hydrophytic vegetation and
	Mucky Mineral (S1		Depleted I					and hydrology must be present,
5 cm M	ucky Peat or Peat	. (S3)	Redox De	pression	s (F8)		unle	ss disturbed or problematic.
Restrictive	Layer (if observe	ed):						
Type:								
		pleted Below	Dark Surface and F	3 Deplet	ed Mtrix	are met.	Hydric Soil Presen	
Remarks:		pleted Below	Dark Surface and F	3 Deplet	ed Mtrix	are met.	-	
Remarks: Hydric soil i	ndicators A11 De	pleted Below	Dark Surface and F	3 Deplet	ed Mtrix	are met.	-	
Remarks: Hydric soil i IYDROL(ndicators A11 De	-	Dark Surface and F	3 Deplet	ed Mtrix	are met.	-	
Remarks: Hydric soil i IYDROL(Wetland Hy	ndicators A11 De DGY /drology Indicato	Drs:	Dark Surface and F		ed Mtrix	are met.	The soil is hydric at l	
Remarks: Hydric soil i IYDROL(Wetland Hy Primary Ind	ndicators A11 De DGY /drology Indicato	Drs:		apply)			The soil is hydric at l	DP-WSJ-018.
Remarks: Hydric soil i IYDROL(Wetland Hy Primary Ind Surface	ndicators A11 De DGY /drology Indicato icators (minimum	Drs:	uired; check all that	apply) ined Lea	ves (B9)		The soil is hydric at l	DP-WSJ-018.
Remarks: Hydric soil i YDROLO Wetland Hy Primary Ind Surface	ndicators A11 De DGY /drology Indicato icators (minimum Water (A1) ater Table (A2)	Drs:	uired; check all that Water-Sta	apply) ined Lea auna (B1	ves (B9) 3)		The soil is hydric at l	DP-WSJ-018. Iry Indicators (minimum of two require ace Soil Cracks (B6)
Remarks: Hydric soil i IYDROLO Wetland Hy Primary Ind Surface High Wa Saturati	ndicators A11 De DGY /drology Indicato icators (minimum Water (A1) ater Table (A2)	Drs:	uired; check all that Water-Sta Aquatic Fa	apply) ined Lea auna (B1 tic Plant	ves (B9) 3) s (B14)		The soil is hydric at l	DP-WSJ-018. <u>ary Indicators (minimum of two require</u> ace Soil Cracks (B6) nage Patterns (B10)
Remarks: Hydric soil i IYDROL(Wetland Hy Primary Ind Surface High Wa Saturati Water M	ndicators A11 De DGY /drology Indicator icators (minimum Water (A1) ater Table (A2) on (A3)	Drs:	uired; check all that Water-Sta Aquatic Fa True Aqua	apply) ined Lea auna (B1 tic Plant Sulfide (ves (B9) 3) s (B14) Ddor (C1)	The soil is hydric at l	DP-WSJ-018. <u>Iry Indicators (minimum of two require</u> ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2)
Remarks: Hydric soil i IYDROL(Wetland Hy Primary Ind Surface High Wa Saturati Water N Sedime	ndicators A11 De DGY /drology Indicator icators (minimum Water (A1) ater Table (A2) on (A3) /larks (B1)	Drs:	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph	ves (B9) 3) s (B14) Ddor (C1 eres on l) _iving Ra	The soil is hydric at I The soil is hydric at I Seconda Suff X Drai Dry- Cray ots (C3) Satu	DP-WSJ-018. <u>Iry Indicators (minimum of two require</u> ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) rfish Burrows (C8)
Remarks: Hydric soil i Hydric soil i IYDROL(Wetland Hy Primary Ind Saturati Saturati Water M Sedime Drift De	ndicators A11 De DGY /drology Indicato /drology Indicato /drology Indicato /dators (minimum Water (A1) ater Table (A2) on (A3) /darks (B1) nt Deposits (B2)	Drs:	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron () _iving Ro [C4)	The soil is hydric at l	DP-WSJ-018. Try Indicators (minimum of two required ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) rfish Burrows (C8) Iration Visible on Aerial Imagery (C9)
Remarks: Hydric soil i Hydric soil i Frimary Ind Surface High Wa Saturati Water M Sedime Drift De Algal M	ndicators A11 De DGY /drology Indicator icators (minimum Water (A1) ater Table (A2) on (A3) /arks (B1) nt Deposits (B2) posits (B3)	Drs:	uired; check all that Water-Sta Aquatic Fa True Aqua Mydrogen X Oxidized F	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tion in Ti) _iving Ro [C4)	The soil is hydric at l	DP-WSJ-018. Try Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) Irration Visible on Aerial Imagery (C9) Ited or Stressed Plants (D1)
Remarks: Hydric soil i Hydric soil i IYDROLO Wetland Hy Primary Ind Surface High W: Saturati Water M Sedime Drift De Algal M: Iron De	ndicators A11 De DGY /drology Indicato icators (minimum Water (A1) ater Table (A2) on (A3) /larks (B1) nt Deposits (B2) posits (B3) at or Crust (B4)	o rs: of one is requ	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tion in Ti c (C7)) _iving Ro [C4)	The soil is hydric at l	DP-WSJ-018. Try Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) Irration Visible on Aerial Imagery (C9) Ited or Stressed Plants (D1) morphic Position (D2)
Remarks: Hydric soil i Hydric soil i IYDROLO Wetland Hy Primary Ind Surface High W: Saturati Water M Sedime Drift De Algal M: Iron De Inundat	ndicators A11 De DGY /drology Indicato icators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5)	ors: of one is requ	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck 37) Gauge or	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tion in Ti (C7) a (D9)) _iving Ro (C4) Iled Soils	The soil is hydric at l	DP-WSJ-018. Try Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) Irration Visible on Aerial Imagery (C9) Ited or Stressed Plants (D1) morphic Position (D2)
Remarks: Hydric soil i Hydric soil i Frimary Ind Surface High Wa Saturati Water M Sedime Drift De Algal M Iron De Inundat Sparsel	ndicators A11 De DGY /drology Indicator icators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aer y Vegetated Conc	ors: of one is requ	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck 37) Gauge or	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tion in Ti (C7) a (D9)) _iving Ro (C4) Iled Soils	The soil is hydric at l	DP-WSJ-018. Try Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) Irration Visible on Aerial Imagery (C9) Ited or Stressed Plants (D1) morphic Position (D2)
Remarks: Hydric soil i Hydric soil i Fild Obse Remarks High Water M Saturati Water M Sedime Drift De Algal M Iron De Inundat Sparsel	ndicators A11 De DGY /drology Indicator icators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aer y Vegetated Conc	ors: of one is requ	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck 37) Gauge or (B8) X Other (Exp	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat blain in R	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tion in Ti (C7) a (D9)) _iving Ro (C4) Iled Soils	The soil is hydric at l	DP-WSJ-018. Try Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) Irration Visible on Aerial Imagery (C9) Ited or Stressed Plants (D1) morphic Position (D2)
Remarks: Hydric soil i Hydric soil i Hydric soil i Retland Hy Primary Ind Surface High W: Saturati Water M Sedime Drift De Algal M: Iron De Inundat Sparsel Field Obse Surface Wa	ndicators A11 De DGY /drology Indicato icators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aer y Vegetated Conc rvations: ter Present?	ors: of one is requ ial Imagery (E cave Surface (uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck 37) Gauge or (B8) X Other (Exp No X No X	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat blain in R	ves (B9) 3) s (B14) Odor (C1 eres on l ced Iron (tion in Ti (C7) a (D9) temarks)) _iving Ro (C4) Iled Soils	The soil is hydric at l	DP-WSJ-018. Try Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) Irration Visible on Aerial Imagery (C9) Ited or Stressed Plants (D1) morphic Position (D2)
Remarks: Hydric soil i Hydric soil i Hydric soil i Wetland Hy Primary Ind Surface High W: Saturati Water N Sedime Algal M. Iron De Inundat Sparsel Field Obse Surface Wa Water Table	ndicators A11 De DGY /drology Indicato icators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aer y Vegetated Cond rvations: ter Present? Present?	o rs: of one is requ ial Imagery (E cave Surface (Yes	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck 37) Gauge or (B8) X Other (Exp No X No X	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (i Depth (i	ves (B9) 3) s (B14) Odor (C1 eres on l ced Iron (tion in Ti (C7) a (D9) temarks) nches): _) _iving Ro (C4) Iled Soils	The soil is hydric at l	DP-WSJ-018. ary Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) iration Visible on Aerial Imagery (C9) ited or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
Remarks: Hydric soil i Hydric soil i Hydric soil i Primary Ind Surface High Wa Saturati Water N Sedime Drift De Algal M Iron De Inundat Sparsel Field Obse Surface Wa Water Table Saturation F	ndicators A11 De DGY /drology Indicato icators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aer y Vegetated Cond rvations: ter Present? Present?	ors: of one is requ ial Imagery (E cave Surface (Yes	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck 37) Gauge or (B8) X Other (Exp No X No X	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (i Depth (i	ves (B9) 3) s (B14) Ddor (C1 eres on l ced Iron (tion in Ti (C7) a (D9) temarks) ches): _ nches): _) _iving Ro (C4) Iled Soils	The soil is hydric at l	DP-WSJ-018. ary Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) Iration Visible on Aerial Imagery (C9) Ited or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
Remarks: Hydric soil i Hydric soil i Hydric soil i Primary Ind Surface High Wa Saturati Water M Sedime Drift De Algal M Iron De Inundat Sparsel Field Obse Surface Wa Water Table Saturation F (includes ca	ndicators A11 De DGY /drology Indicator icators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aer y Vegetated Cond rvations: ter Present? Present? Present? pipilary fringe)	ors: of one is requ ial Imagery (E cave Surface (Yes Yes Yes	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck 37) Gauge or (B8) X Other (Exp No X No X	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc Surface Well Dat olain in R Depth (i Depth (i	ves (B9) 3) s (B14) Odor (C1 eres on l ced Iron (tion in Ti (C7) a (D9) eemarks) nches): nches):) _iving Ra (C4) Iled Soils	The soil is hydric at I	DP-WSJ-018. ary Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) iration Visible on Aerial Imagery (C9) ited or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
Remarks: Hydric soil i Hydric soil i Hydric soil i Primary Ind Surface High Wa Saturati Water N Sedime Drift De Algal M Iron De Inundat Sparsel Field Obse Surface Wa Water Table Saturation F (includes ca	ndicators A11 De DGY /drology Indicator icators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aer y Vegetated Cond rvations: ter Present? Present? Present? pipilary fringe)	ors: of one is requ ial Imagery (E cave Surface (Yes Yes Yes	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck 37) Gauge or (B8) X Other (Exp No X No X No X	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc Surface Well Dat olain in R Depth (i Depth (i	ves (B9) 3) s (B14) Odor (C1 eres on l ced Iron (tion in Ti (C7) a (D9) eemarks) nches): nches):) _iving Ra (C4) Iled Soils	The soil is hydric at I	DP-WSJ-018. Try Indicators (minimum of two required ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) Iration Visible on Aerial Imagery (C9) Ited or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)
Remarks: Hydric soil i HyDROLO Wetland Hy Primary Ind Surface High Wa Saturati Water N Sedime Drift De Algal M Iron De Inundat Sparsel Field Obse Surface Wa Nater Table Saturation F includes ca Describe Re	ndicators A11 De DGY /drology Indicator icators (minimum Water (A1) ater Table (A2) on (A3) Marks (B1) nt Deposits (B2) posits (B3) at or Crust (B4) posits (B5) ion Visible on Aer y Vegetated Conc rvations: ter Present? Present? Present? posital (Street Present) posital	ors: of one is requ ial Imagery (E cave Surface (Yes Yes Yes eam gauge, m	uired; check all that Water-Sta Aquatic Fa True Aqua Hydrogen X Oxidized F Presence Recent Iro Thin Muck 37) Gauge or (B8) X Other (Exp No X No X No X No X No X No X	apply) ined Lea auna (B1 tic Plant Sulfide (Rhizosph of Reduc n Reduc Surface Well Dat blain in R Depth (i Depth (i Depth (i	ves (B9) 3) s (B14) Odor (C1 eres on l ced Iron (tion in Ti (C7) a (D9) temarks) a (D9) temarks):) _iving Ro (C4) Iled Soils	The soil is hydric at I	DP-WSJ-018. ary Indicators (minimum of two require ace Soil Cracks (B6) nage Patterns (B10) Season Water Table (C2) fish Burrows (C8) iration Visible on Aerial Imagery (C9) ited or Stressed Plants (D1) morphic Position (D2) -Neutral Test (D5)

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New Westville to West Manchester		City/Cou	nty: Jackso	n/Preble Sampling Date: 10/17/2023
Applicant/Owner: <u>AES</u>				State: OH Sampling Point: DP-UPL-WSJ-01
Investigator(s): Stuart Jennings, Hannah Saxena		Section, T	ownship, Ra	ange: 07 8N 1E
Landform (hillside, terrace, etc.): terrace			Local relief (concave, convex, none): concave
Slope (%): 0-1 Lat: 39.8145748		Long: -	84.8063467	Datum: NAD 83 OH.S
Soil Map Unit Name: Rossburg silt loam, moderately	wet, sandy sub			NWI classification: NA
Are climatic / hydrologic conditions on the site typical	for this time of	vear?	Yes	No X (If no, explain in Remarks.)
Are Vegetation N , Soil N , or Hydrology N		-		Circumstances" present? Yes X No
				·
Are Vegetation <u>N</u> , Soil <u>N</u> , or Hydrology <u>N</u>	-			kplain any answers in Remarks.) cotions, transects, important features, etc.
	No X		Sampled A	
	lo	within	n a Wetland	? Yes <u>No X</u>
Wetland Hydrology Present? Yes	No X			
Remarks:	<i>.</i> .			
				t. The vegetation is not hydrophytic, the soil is hydric but P-UPL-WSJ-018. DP-UPL-WSJ-018 is not located in a
wational area. According to local three month antone	dont procinitati			is and elimatelesis conditions were drive than normal at
VEGETATION – Use scientific names of pl	ants.			
Trac Stratum (Dist size: 20)	Absolute	Dominant	Indicator	Deminence Test werksheet
Tree Stratum (Plot size: 30)	% Cover	Species?	Status	Dominance Test worksheet:
2.				Number of Dominant Species ThatAre OBL, FACW, or FAC:1(A)
4				Total Number of Dominant Species Across All Strata: 3 (B)
4 5.				
J		Total Cover		Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B)
Sapling/Shrub Stratum (Plot size: 15)			
4	_/			Prevalence Index worksheet:
2.				Total % Cover of: Multiply by:
3.				OBL species $0 x ext{ 1} = 0$
4.				FACW species 19 x 2 = 38
5.				FAC species 3 x 3 = 9
	=	Total Cover		FACU species 27 x 4 = 108
Herb Stratum (Plot size: 5)				UPL species 53 x 5 = 265
1. Tridens flavus	50	Yes	UPL	Column Totals: 102 (A) 420 (B)
2. Trifolium pratense	15	Yes	FACU	Prevalence Index = B/A = 4.12
3. Cornus amomum	15	Yes	FACW	
4. Hackelia virginiana	5	No	FACU	Hydrophytic Vegetation Indicators:
5. Setaria viridis	3	No	UPL	1 - Rapid Test for Hydrophytic Vegetation
6. Solidago canadensis	3	No	FACU	2 - Dominance Test is >50%
7. Cirsium arvense	2	No	FACU	3 - Prevalence Index is ≤3.0 ¹
8. Plantago major	2	No	FAC	4 - Morphological Adaptations ¹ (Provide supporting
9. Symphyotrichum lateriflorum	2	No	FACW	data in Remarks or on a separate sheet)
10. Rosa multiflora	2	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
	102 =	Total Cover		¹ Indicators of hydric soil and wetland hydrology must
Woody Vine Stratum (Plot size:	_)			be present, unless disturbed or problematic.
1	• <u> </u>			Hydrophytic
2.				Vegetation

=Total Cover

Present?

Yes

Remarks: (Include photo numbers here or on a separate sheet.)

No indicators of hydrophytic vegetation are met. The vegetation is not hydrophytic at DP-UPL-WSJ-018.

No X

VEGETATION Continued – Use scientific names of plants.

	Absolute	Dominant	Indicator	
Tree Stratum	% Cover	Species?	Status	Definitions of Vegetation Strata:
6				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
7				at breast height (DBH), regardless of height.
8.				
9.				Sapling/Shrub – Woody plants less than 3 in. DBH
10.				and greater than 3.28 ft (1 m) tall.
				Herb – All herbaceous (non-woody) plants, including
				herbaceous vines, regardless of size, and woody plants
12				less than 3.28 ft tall.
13		=Total Cover		Woody Vine – All woody vines greater than 3.28 ft in
Sapling/Shrub Stratum				height.
				5
6.				
7				
8				
9				
10				
11				
12				
13				
		=Total Cover		
Herb Stratum				
11. Lysimachia nummularia	2	No	FACW	
12. Toxicodendron radicans	1	No	FAC	
13.				
14				
15.				
16.				
17				
18.				
19				
19 20				
20				
22.				
<i></i>	102	=Total Cover		
Woody Vine Stratum	102			
3				
4				
5				
6				
7				
		=Total Cover		

Remarks: (Include photo numbers here or on a separate sheet.)

Depth	cription: (Describe Matrix			x Featur				,
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3	10YR 3/2	100					Sandy	Sandy silt
3-12	10YR 4/2	70	10YR 4/6	30	С	М	Sandy	Prominent redox concentrations
Hydric Soil Histoso Histic E Black H Hydroge Stratifie 2 cm M Deplete Thick D Sandy M 5 cm M	pipedon (A2) listic (A3) en Sulfide (A4) d Layers (A5) uck (A10) d Below Dark Surface ark Surface (A12) Mucky Mineral (S1) ucky Peat or Peat (S3 Layer (if observed): compacted	ə (A11) 3)	=Reduced Matrix, M Sandy Gle X Sandy Red Stripped M Dark Surfa Loamy Mu Loamy Gle Depleted M Redox Dar Depleted D Redox Dep	yed Mat dox (S5) latrix (Si loce (S7) cky Min cky Min wyed Ma Jatrix (F k Surfac Dark Sur	rix (S4) 6) eral (F1) trix (F2) 3) ce (F6) face (F7)		Indicate Coa Iror Rec Ver Oth ³ Indicate wet	on: PL=Pore Lining, M=Matrix. ors for Problematic Hydric Soils ³ : ast Prairie Redox (A16) n-Manganese Masses (F12) d Parent Material (F21) y Shallow Dark Surface (F22) her (Explain in Remarks) ors of hydrophytic vegetation and land hydrology must be present, ess disturbed or problematic. nt? Yes X No
Hydric soil i WSJ-018.		lox is met.	This area serves a	s a ingro	ess/egre	ss for aç	gricultural farming equ	uipment. The soil is hydric at DP-UPL-
HYDROLO								
-	ydrology Indicators:	no lo rogu	ined, check all that	مممار			Second	an Indiactors (minimum of two require
	<u>icators (minimum of c</u> Water (A1)	ne is requ	Water-Stai			1		ary Indicators (minimum of two require face Soil Cracks (B6)
	ater Table (A2)		Aquatic Fa		```	,		inage Patterns (B10)
Saturati	. ,		True Aqua					-Season Water Table (C2)
	Marks (B1)		Hydrogen)		vyfish Burrows (C8)
	ent Deposits (B2)		Oxidized F		•	,		uration Visible on Aerial Imagery (C9)
	posits (B3)		Presence			-		nted or Stressed Plants (D1)
	at or Crust (B4)		Recent Iro			• •		omorphic Position (D2)
	posits (B5)		Thin Muck				· · · · · · · · · · · · · · · · · · ·	C-Neutral Test (D5)
	ion Visible on Aerial I	magery (B	7) Gauge or \	Nell Dat	ta (D9)			
Sparsel	y Vegetated Concave	Surface ()		
Field Obse	rvations:							
Surface Wa	ater Present? Ye	s	No X	Depth (i	nches):			
Water Table	e Present? Ye	s	No X	Depth (i	nches):			
Saturation F	Present? Ye	s	No X	Depth (i	nches):		Wetland Hydrol	ogy Present? Yes No 🗡
(includes ca	apillary fringe)							
Describe Re	ecorded Data (stream	gauge, m	onitoring well, aeria	l photos	, previou	is inspec	ctions), if available:	
Dama 1								
Remarks:	rs of wetland hydrolog	w are obs	arved There is not	Netland	hydrolog	v at DD		
NO ITUICALO		y are obse		wenand	inyurulug	y at DP	-01 L-110J-010.	

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New We	estville to Wes	st Manch	ester		Citv/Co	unty: Jackson	n/Preble	e		Sampling Date:	10/17/2023
	AES					·		State:	ОН	Sampling Point:	DP-WSJ-019
Investigator(s): Stuar	t Jennings, Ha	annah Sa	axena		Section,	Township, Rar	nge: (
Landform (hillside, te	rrace, etc.): <u>a</u>	gricultur	al draina	ge	-	Local relief (c	oncave	e, conv	/ex, none): o	concave	
Slope (%): 6-12	Lat: 39.8157	7024			Long:	-84.8063561				Datum: <u>NAD 83 O</u> l	1.S
Soil Map Unit Name:	Miami Ioam, o	eroded.						11	NWI classifi	cation: N/A	
Are climatic / hydrolo	gic conditions	on the s	site typica	al for this time of ye	ear?	Yes	No	х	(If no, exp	lain in Remarks.)	
Are Vegetation Y	, Soil <u>N</u> ,	or Hydro	ology <u>N</u>	significantly dist	urbed?	Are "Normal C	Circums	tances	s" present?	Yes No	» <u>X</u>
Are Vegetation N	, Soil <u>N</u> ,	or Hydro	ology <u>N</u>	naturally probler	natic?	(If needed, exp	plain ar	ny ans	wers in Rer	narks.)	
SUMMARY OF F		- Attac	h site	map showing	sampli	ing point lo	catio	ns, tr	ansects,	important fea	tures, etc.
Hydrophytic Vegeta	tion Present?	Yes	х	No	ls th	ne Sampled Ar	rea				
Hydric Soil Present	?	Yes	Х	No	with	in a Wetland?	?	`	Yes X	No	
Wetland Hydrology	Present?	Yes	Х	No							
Remarks: All Three wetland pa suggest drier than n		•		-		,	ologic a	and clir	matologic d	ata, over past 3 mo	onths,

VEGETATION – Use scientific names of plants.

			Abs	olute	Dominant	Indicator					
Tree Stratum	(Plot size:	30) % (Cover	Species?	Status	Dominance Tes	t worksh	eet:		
1							Number of Domi	inant Spe	cies That		
2.							Are OBL, FACW	, or FAC:	_	1	(A)
3.							Total Number of				
4							Across All Strata: 1				
5.							Percent of Dominant Species That				
					=Total Cover		Are OBL, FACW	, or FAC:	-	100.0%	(A/B)
Sapling/Shrub Stra	<u>tum</u> (Plot	size: 1	5)								
1							Prevalence Inde	ex works	heet:		
2.							Total % Cov	ver of:	Mu	tiply by:	_
3.							OBL species	0	x 1 =	0	
4							FACW species	95	x 2 =	190	
5.							FAC species	0	x 3 =	0	
					=Total Cover		FACU species		x 4 =	20	
Herb Stratum	(Plot size:	5)				UPL species	0	x 5 =	0	
1. Typha latifolia				95	Yes	FACW	Column Totals:	100	(A)	210	(B)
2. Cirsium arvense	e			5	No	FACU	Prevalence In	dex = B/	A =	2.10	
3.											
4							Hydrophytic Ve	getation	Indicators	:	
5							1 - Rapid Te	est for Hyd	Irophytic V	egetation	
c							X 2 - Dominan	ice Test is	s >50%		
7							X 3 - Prevalen	ce Index i	s ≤3.0 ¹		
8							4 - Morpholo	ogical Ada	ptations ¹ (F	Provide su	oporting
0							data in Re	emarks or	on a sepa	rate sheet)	
10.							Problematic	Hvdrophy	/tic Vegeta	tion ¹ (Expl	ain)
				00	=Total Cover		¹ Indicators of hyd		•		
Woody Vine Stratu	<u>m</u> (Plot	size:)				be present, unles			, ,,	musi
1							Hydrophytic				
2							Vegetation				
					=Total Cover		•	Yes X	No		
Remarks: (Include	photo numbers	here or on	a separate sl	neet.)			-				

ENG FORM 6116-7, JUL 2018

The dominance test and prevalence index are met. The vegetation is hydrophytic at DP-WSJ-017.

Profile Desc	cription: (Describe	to the dept	h needed to doc	ument tl	ne indica	ator or o	confirm the absence	of indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-5	10YR 4/2	100					Loamy/Clayey	Silty clay loam
5-16	10YR 4/2	90	7.5YR 3/4	10	С	М	Loamy/Clayey	Distinct redox concentrations
		·						
		·						
		·						
		·						
	oncentration, D=Dep	letion, RM=	Reduced Matrix, N	//S=Mas	ked Sano	d Grains		n: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicato	ors for Problematic Hydric Soils ³ :
Histosol			Sandy Gle	-	rix (S4)			st Prairie Redox (A16)
	oipedon (A2)		Sandy Red	• • •				-Manganese Masses (F12)
Black Histic (A3) Stripped Matrix (S6)								Parent Material (F21)
	n Sulfide (A4)		Dark Surfa	• •				/ Shallow Dark Surface (F22)
	I Layers (A5)		Loamy Mu	-			Othe	er (Explain in Remarks)
2 cm Mu			Loamy Gle	•	• •			
	Below Dark Surface	e (A11)	X Depleted M	•	,		3	
	ark Surface (A12) lucky Mineral (S1)		Redox Dar		• •			ors of hydrophytic vegetation and
	Depleted [• • •			and hydrology must be present,		
	cky Peat or Peat (S		Redox Dep	pression	s (F8)		unie	ss disturbed or problematic.
	Layer (if observed):							
Type:			_					
Depth (ir	iches):		_				Hydric Soil Preser	nt? Yes <u>X</u> No
Remarks:	diantara 52 Danlata	d Matrix ia m	aat Tha aail ia huu	dria at DI		10		
Hydric soli in	dicators F3 Deplete	a Matrix is m	net. The soll is nyo	aric at Di	-wsj-0	19.		
HYDROLO	GY							
-								
-	drology Indicators:						0	
-	<u>cators (minimum of c</u> Water (A1)	one is requir	<u>ed; cneck all that</u> Water-Sta					ary Indicators (minimum of two required)
	()				()			ace Soil Cracks (B6)
Saturatio	ter Table (A2)		Aquatic Fa					nage Patterns (B10) Season Water Table (C2)
	arks (B1)		Hydrogen		• •	`		vfish Burrows (C8)
	it Deposits (B2)		X Oxidized F		,	·		uration Visible on Aerial Imagery (C9)
	osits (B3)		Presence			-		nted or Stressed Plants (D1)
	t or Crust (B4)		Recent Iro			. ,		morphic Position (D2)
	osits (B5)		Thin Muck					C-Neutral Test (D5)
	on Visible on Aerial I	magery (B7			. ,			
	Vegetated Concave							
Field Obser	vations:							
Surface Wat		es	No X	Depth (i	nches):			
Water Table				Depth (i				
Saturation P	resent? Ye	es		Depth (i			Wetland Hydrold	ogy Present? Yes X No
(includes ca								
Describe Re	corded Data (stream	n gauge, mo	nitoring well, aeria	I photos	, previou	s inspec	ctions), if available:	
Remarks:			n Deete) and two	0000-0-1			nonition and the FAC	Neutral Test) is discharge of used as d

One primary (Oxidized Rhizospheres on Living Roots) and two secondary (geomorphic position and the FAC-Neutral Test) indicators of wetland hydrology are observed. There is wetland hydrology at DP-WSJ-019. The wetland area consisted of a mowed agricultural drainage.

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Midwest Region EDDC/EL TD 10 16. th

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15 paragraph 5-2a)

See ERDC/EL TR-10-16; the proponer	nt agency	/ IS CE	CVV-0	20-R	(Authority, 7	an 555-15, para	yrapii 3-20	a)
Project/Site: New Westville to West Manchester		Ci	ty/Cou	nty: Jacksor	n/Preble	Sampling Da	ate: <u>10/</u> 1	17/2023
Applicant/Owner: <u>AES</u>					State: OH	Sampling Po	pint: DP-U	PL-WSJ-019
Investigator(s): Stuart Jennings, Hannah Saxena		Sec	ction, T	ownship, Ra	nge: 07 8N 1E			
Landform (hillside, terrace, etc.): terrace			l	Local relief (c	concave, convex, none	e): concave		
Slope (%): 6-12 Lat: 39.8156471		L		84.8046093		Datum: NAD 8	33 OH.S	
Soil Map Unit Name: Miami Ioam		¯			NWI clas	sification: NA		
Are climatic / hydrologic conditions on the site typical for	or this time	of voor?	,	Yes	No X (If no, e			
		-			、	•	,	
Are Vegetation N , Soil N , or Hydrology N s					Circumstances" preser			
Are Vegetation <u>N</u> , Soil <u>N</u> , or Hydrology <u>N</u> n	aturally pro	blemati	c? (I	If needed, ex	plain any answers in F	Remarks.)		
SUMMARY OF FINDINGS – Attach site ma	ap showi	ng sai	mplin	g point lo	cations, transec	ts, important	feature	s, etc.
Hydrophytic Vegetation Present? Yes No	Х		Is the	Sampled Ar	ea			
	X		withir	n a Wetland?	? Yes	<u>No X</u>		
Wetland Hydrology Present? Yes No	X							
Remarks:								
DP-UPL-WSJ-019 is located upland on between 2 agr hydrology at DP-UPL-WSJ-019. DP-UPL-WSJ-019 is								wetland
	ra driar tha		el et th	e time of date		rantecedent pre	cipitation	
VEGETATION – Use scientific names of plan								
Tree Stratum (Plot size: 30)	Absolute % Cover	Domi Spec		Indicator Status	Dominance Test w	orkshoot		
<u>1.</u> (Flot size. <u>30</u>)	% Cover	Spec	les :	Status				
2.					Number of Dominal Are OBL, FACW, o	•	0	(A)
3.					Total Number of Do			_``
4.					Across All Strata:		1	(B)
5.					Percent of Dominar	t Species That		
		=Total	Cover		Are OBL, FACW, o		0.0%	(A/B)
Sapling/Shrub Stratum (Plot size: 15)								
1					Prevalence Index			
2					Total % Cover		Itiply by:	_
3					OBL species FACW species		0 10	
4 5					FAC species	$\frac{5}{0}$ x2=	0	_
		=Total	Cover		FACU species	85 x 4 =	340	_
Herb Stratum (Plot size: 5)		•			UPL species	10 x 5 =	50	_
1. Festuca rubra	80	Ye	es	FACU	· · ·	100 (A)	400	(B)
2. Glycine max	10	N	0	UPL	Prevalence Index	< = B/A =	4.00	
3. Cornus amomum	5	N	0	FACW				
4. Hackelia virginiana	5	N	0	FACU	Hydrophytic Veget	ation Indicators	s:	
5						or Hydrophytic V	egetation/	
6					2 - Dominance			
7					3 - Prevalence		Duesdate	
8						al Adaptations ¹ (

3 - Pre	evalence Ind	ex is ≤3 0 ¹

4 - Morphological Adaptations ¹ (Provide supporting
data in Remarks or on a separate sheet)

Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

 Hydrophytic			
 Hydrophytic Vegetation			
Present?	Yes	No	Х

Remarks: (Include photo numbers here or on a separate sheet.)

(Plot size:

No indicators of hydrophytic vegetation are met. The vegetation is not hydrophytic at DP-UPL-WSJ-019.

)

100 =Total Cover

=Total Cover

Woody Vine Stratum

9.

10.

1. 2.

Profile Desc	ription: (Describe	to the depth	needed to doc	ument t	he indica	ator or	confirm the absence of ind	icators.)	
Depth	Matrix		Redo	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-4	10YR 4/2	100					Loamy/Clayey		
4-16	10YR 4/3	100					Loamy/Clayey		
							·		
							·		
		. <u></u>							
¹ Type: C=Co	oncentration, D=Dep	letion, RM=F	Reduced Matrix, N	/IS=Mas	ked Sand	d Grains	s. ² Location: PL=	Pore Lining, M=Matrix.	
Hydric Soil	Indicators:						Indicators for	Problematic Hydric Soils ³ :	
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)		Coast Prai	rie Redox (A16)	
Histic Ep	ipedon (A2)		Sandy Red	dox (S5)			Iron-Manga	anese Masses (F12)	
Black His	Stripped M	latrix (Se	5)		Red Paren	t Material (F21)			
Hydroge	n Sulfide (A4)	Dark Surfa	ice (S7)			Very Shall	ow Dark Surface (F22)		
	Layers (A5)	Loamy Mu				Other (Exp	lain in Remarks)		
2 cm Mu	· ,		Loamy Gle	-					
Depleted	Depleted I	•	,		2				
	rk Surface (A12)	Redox Da		. ,		³ Indicators of hydrophytic vegetation and			
	lucky Mineral (S1)		Depleted [• • •		•	drology must be present,	
5 cm Mucky Peat or Peat (S3)Redox Depressions (F8)							unless dist	urbed or problematic.	
	Layer (if observed):								
Туре:			_						
Depth (ir	nches):		_				Hydric Soil Present?	Yes No	<u>X</u>
Remarks:									
No hydric so	il indicators are met.	The soil is n	ot hydric at DP-L	JPL-WS	J-019.				
HYDROLO	GY								
-	drology Indicators:								
	cators (minimum of o	ne is require						cators (minimum of two requi	<u>red)</u>
	Water (A1)		Water-Sta		、 ,			il Cracks (B6)	
	ter Table (A2)		Aquatic Fa	•	'			Patterns (B10)	
Saturatio			True Aqua					n Water Table (C2)	
	arks (B1)		Hydrogen		-			urrows (C8)	
	t Deposits (B2)		Oxidized F	•		-		Visible on Aerial Imagery (C9))
· ·	osits (B3) t or Cruct (B4)		Presence			. ,		Stressed Plants (D1)	
	t or Crust (B4) osits (B5)		Recent Iro Thin Muck			lieu Sol		ic Position (D2) al Test (D5)	
	on Visible on Aerial I	magery (B7)	Gauge or		. ,				
	Vegetated Concave								
	-								
Field Obser Surface Wat		c	No Y	Donth /i	nchee);				
Water Table				• •	nches): _ nches):				
Saturation P					nches):		Wetland Hydrology Pre	esent? Yes No	х
(includes cap									
_`	corded Data (stream	gauge, mon	itoring well, aeria	l photos	, previou	s inspec	ctions), if available:		
	`		,	•			<i>·</i> ·		

Remarks:

No indicators of wetland hydrology are observed. There is not wetland hydrology at DP-UPL-WSJ-019.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New W	estville to West	t Manchester		City/Co	ounty: Jac	kson/Preb	le		Sampling Date:	10/17/2023
Applicant/Owner:	AES						State:	ОН	Sampling Point:	DP-WSJ-020
Investigator(s): Stuar	t Jennings, Har	nnah Saxena		Section	, Township	, Range:	04 8N ⁻	1E		
Landform (hillside, te	errace, etc.): <u>ag</u>	gricultural drair	nage		Local rel	ief (concav	ve, conv	ex, none)	concave	
Slope (%): 0-1	Lat: <u>39.8279</u>	509		Long:	-84.7769 ⁻	100			Datum: NAD 83 OI	1.S
Soil Map Unit Name: Kokomo silt loam NWI classification: NA										
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No X (If no, explain in Remarks.)										
Are Vegetation N , Soil N , or Hydrology Y significantly disturbed? Are "Normal Circumstances" present? Yes No _X										
Are Vegetation N	, Soil <u>N</u> , c	or Hydrology	N naturally proble	ematic?	(If needeo	d, explain a	any ans	wers in Re	emarks.)	
SUMMARY OF I	FINDINGS -	Attach site	e map showing	ı sampl	ing poin	nt locatio	ons, tr	ansects	s, important fea	tures, etc.
Hydrophytic Vegeta Hydric Soil Present Wetland Hydrology	?	Yes X Yes X Yes X	No No No		ne Sample nin a Wetl		١	/es_X	No	
Remarks: All Three wetland p suggest drier than r	•					, ,		natologic	data, over past 3 mo	onths,
VEGETATION -	Use scientif	fic names o	f plants.							

Tree Stratum	(Plot size:	30)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Tes	t workshe	eet:		
2							Number of Domi Are OBL, FACW		ies That	1	(A)
3.				·			Total Number of Dominant Species Across All Strata:			1	(B)
5							Percent of Dominant Species That Are OBL, FACW, or FAC:			100.0%	(A/B)
Sapling/Shrub Strat		size:	15)			Prevalence Inde	ex worksh	neet:		
1. 2.							Total % Cov			ltiply by:	
2							OBL species	0	x 1 =		_
							FACW species		x 2 =	176	
5.							FAC species		x 3 =	24	-
					=Total Cover		FACU species	4	x 4 =	16	
Herb Stratum	(Plot size:	5)				UPL species	0	x 5 =	0	
1. Typha latifolia				80	Yes	FACW	Column Totals:	100	(A)	216	(B)
2. Salix interior				8	No	FACW	Prevalence In	dex = B/A	<u> </u>	2.16	
3. Apocynum canr	nabinum			8	No	FAC					
4. Campsis radica	ns			4	No	FACU	Hydrophytic Ve	getation I	ndicators	5:	
5.							1 - Rapid Te	st for Hyd	rophytic V	egetation	
<u>^</u>							X 2 - Dominan	ce Test is	>50%		
7							X 3 - Prevalene	ce Index is	s ≤3.0 ¹		
8							4 - Morpholo	gical Ada	ptations ¹ (Provide su	pporting
9.							data in Re	emarks or	on a sepa	rate sheet)
10.							Problematic	Hydrophy	tic Vegeta	tion ¹ (Expl	ain)
Woody Vine Stratu	<u>m</u> (Plot	size:			=Total Cover		¹ Indicators of hyd be present, unles			, ,,	must
1				- -			Hydrophytic				
۷				- <u></u>	=Total Cover		Vegetation Present?	Yes <u>X</u>	No		

Remarks: (Include photo numbers here or on a separate sheet.)

The dominance test and prevalence index are met. The vegetation is hydrophytic at DP-WSJ-020.

Profile Description: (Describe to the depth	needed to doc	ument tl	ne indica	tor or o	confirm the absence o	of indicators.)		
Depth Matrix	Redo	x Featur	es					
(inches) Color (moist) %	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-6 10YR 3/2 80	10YR 3/6	20	С	PL	Loamy/Clayey	clay loam		
6-16 10YR 4/2 100					Loamy/Clayey	clay loam		
					2			
¹ Type: C=Concentration, D=Depletion, RM=Re	educed Matrix, N	/IS=Mas	ked Sand	Grains		PL=Pore Lining, M=Matrix.		
Hydric Soil Indicators:	Sandy Cla	ved Met	riv (C1)			s for Problematic Hydric Soils ³ :		
Histosol (A1)	Sandy Gle		fix (54)			t Prairie Redox (A16)		
Histic Epipedon (A2) Black Histic (A3)	Stripped N		3)			/langanese Masses (F12) Parent Material (F21)		
Hydrogen Sulfide (A4)	Dark Surfa)			Shallow Dark Surface (F22)		
Stratified Layers (A5)	Loamy Mu		eral (F1)			(Explain in Remarks)		
2 cm Muck (A10)	Loamy Gle	-						
Depleted Below Dark Surface (A11)	Depleted N	•	. ,					
Thick Dark Surface (A12)	X Redox Dar				³ Indicators of hydrophytic vegetation and			
Sandy Mucky Mineral (S1)	Depleted [• •		wetland hydrology must be present,			
5 cm Mucky Peat or Peat (S3)	Redox Dep	oression	s (F8)			s disturbed or problematic.		
Restrictive Layer (if observed):								
Type:								
Depth (inches):	-				Hydric Soil Present	? Yes X No		
Remarks:								
Hydric soil indicator F6 redox dark surface is m	et. The soil is h	ydric at l	DP-WSJ-	020.				
HYDROLOGY								
Wetland Hydrology Indicators:								
Primary Indicators (minimum of one is required	; check all that	apply)			<u>Secondar</u>	y Indicators (minimum of two required)		
Surface Water (A1)	Water-Sta	ined Lea	ves (B9)		Surfa	ce Soil Cracks (B6)		
High Water Table (A2)	Aquatic Fa	``	,		X Drain	age Patterns (B10)		
Saturation (A3)	True Aqua					eason Water Table (C2)		
Water Marks (B1)	Hydrogen					ish Burrows (C8)		
Sediment Deposits (B2)	X Oxidized F			-		ation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence		,	,		ed or Stressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iro			led Sol		norphic Position (D2)		
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Thin Muck Gauge or V		. ,			Neutral Test (D5)		
Sparsely Vegetated Concave Surface (B8)								
Field Observations:			ionano)					
		Donth (ii						
Surface Water Present? Yes		Depth (in Depth (in	· -					
Water Table Present? Ves		Doput (II	1011031.		1			
Water Table Present? Yes Saturation Present? Yes					Wetland Hydrolog	v Present? Yes X No		
Saturation Present? Yes		Depth (i			Wetland Hydrolog	y Present? Yes X No		
	No X	Depth (i	nches):	inspec		y Present? Yes X No		

Remarks:

One primary (Oxidized Rhizospheres on Living Roots) and three secondary (drainage patterns, geomorphic position, and the FAC-Neutral Test) indicators of wetland hydrology are observed. There is wetland hydrology at DP-WSJ-020. The wetland area consisted of a poorly maintained agricultural drainage - several failed tiles were present in wetland.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New Westville to West Manchester		City/Cou	inty: Jackso	n/Preble	Sampling Date:	10/17/2023
Applicant/Owner: <u>AES</u>				State: OH	Sampling Point:	DP-UPL-WSJ-020
Investigator(s): Stuart Jennings, Hannah Saxena		Section,	Township, Ra	ange: 04 8N 1E	_	
Landform (hillside, terrace, etc.): terrace			Local relief (concave, convex, none): none	
Slope (%): 0-1 Lat: 39.8279513			.84.7768255		Datum: NAD 83 C)H S
Soil Map Unit Name: Kokomo silt loam		Long.	04.1700200		sification: NA	
Are climatic / hydrologic conditions on the site typical for	this time of	f voar?	Yes	No X (If no, e		
		•				1.
Are Vegetation N , Soil N , or Hydrology N si				Circumstances" presen		10
Are Vegetation <u>N</u> , Soil <u>N</u> , or Hydrology <u>N</u> na	aturally prob	lematic?	(If needed, e	xplain any answers in F	(emarks.)	
SUMMARY OF FINDINGS – Attach site ma	p showin	g sampliı	ng point lo	ocations, transect	s, important fe	atures, etc.
Hydrophytic Vegetation Present? Yes No	х	Is the	e Sampled A	rea		
	Х		n a Wetland		No X	
Wetland Hydrology Present? Yes No	Х					
Remarks:						
DP-UPL-WSJ-020 is located upland on the frindge of a						
no wetland hydrology at DP-UPL-WSJ-020. DP-UPL-W					three-month anteced	dent
VEGETATION – Use scientific names of plan	its.					
	Absolute	Dominant	Indicator			
<u>Tree Stratum</u> (Plot size: <u>30</u>) 1.	% Cover	Species?	Status	Dominance Test w		
				Number of Dominar Are OBL, FACW, or	•	0 (A)
2. 3.				Total Number of Do		(/ ()
4.				Across All Strata:	minant opecies	2 (B)
5.				Percent of Dominan	t Species That	
		Total Cover		Are OBL, FACW, or	•	0.0% (A/B)
<u>Sapling/Shrub Stratum</u> (Plot size: 15)						
1				Prevalence Index v	vorksheet:	
2				Total % Cover	of: Multipl	y by:
3				OBL species	0 x 1 =	0
4				FACW species	0 x 2 =	0
5				FAC species	5 x 3 =	15
	=	Total Cover		FACU species		184
Herb Stratum (Plot size: 5)				UPL species		240
1. Campsis radicans	40	Yes	FACU	Column Totals:	()	439 (B)
2. Festuca sp	30	Yes	UPL	Prevalence Index	x = B/A = 4.4	.3
3. Zea mays	15	No	UPL			
4. Ambrosia trifida	5	No	FAC	Hydrophytic Veget		
5. Asclepias syriaca	3	No	FACU		or Hydrophytic Vege	etation
6. Daucus carota	3	No	UPL	2 - Dominance		
7. Cirsium arvense	2	No	FACU	3 - Prevalence		
8. Solidago canadensis	1	No	FACU		al Adaptations ¹ (Pro	
9. Xanthium strumarium	1	No			arks or on a separate	
10	102				drophytic Vegetatior	,
	100 =	Total Cover		¹ Indicators of hydric		
<u>Woody Vine Stratum</u> (Plot size:)				be present, unless o	isturbed or problem	alic.

=Total Cover

Remarks: (Include photo numbers here or on a separate sheet.)

No indicators of hydrophytic vegetation are met. The vegetation is not hydrophytic at DP-UPL-WSJ-020.

1.

2.

No X

Hydrophytic

Yes

Vegetation

Present?

	needed to document the indic		irm the absence of ind	icators.)	
Depth Matrix	Redox Features				
(inches) Color (moist) %	Color (moist) % Type ¹	Loc ²	Texture	Remarks	
0-4 10YR 3/2 100			Loamy/Clayey	sandy clay loam	
4-16 10YR 4/4 100		I	Loamy/Clayey	silty clay loam	
1			2		
¹ Type: C=Concentration, D=Depletion, RM=Re	educed Matrix, MS=Masked San	id Grains.		Pore Lining, M=Matrix.	
Hydric Soil Indicators:	Canady Classed Matrix (CA)			Problematic Hydric Soils ³ :	
Histosol (A1)	Sandy Gleyed Matrix (S4)			rie Redox (A16)	
Histic Epipedon (A2) Black Histic (A3)	Sandy Redox (S5)			anese Masses (F12) t Material (F21)	
Hydrogen Sulfide (A4)	Stripped Matrix (S6) Dark Surface (S7)			ow Dark Surface (F22)	
Stratified Layers (A5)	Loamy Mucky Mineral (F1)			lain in Remarks)	
2 cm Muck (A10)	Loamy Gleyed Matrix (F2)				
Depleted Below Dark Surface (A11)	Depleted Matrix (F3)				
Thick Dark Surface (A12)	Redox Dark Surface (F6)		³ Indicators of hydrophytic vegetation and		
Sandy Mucky Mineral (S1)	Depleted Dark Surface (F7	7)	wetland hydrology must be present,		
5 cm Mucky Peat or Peat (S3)	Redox Depressions (F8)	/	unless disturbed or problematic.		
Restrictive Layer (if observed):				·	
Type:					
Depth (inches):	•	Ну	dric Soil Present?	Yes No X	
Remarks:	•				
No hydric soil indicators are met. The soil is no	t hydric at DP-UPL-WSJ-020.				
HYDROLOGY					
Wetland Hydrology Indicators:					
Primary Indicators (minimum of one is required	; check all that apply)		Secondary Indi	cators (minimum of two required)	
Surface Water (A1)	Water-Stained Leaves (B9)	Surface So	il Cracks (B6)	
High Water Table (A2)					
	Aquatic Fauna (B13)			Patterns (B10)	
Saturation (A3)	True Aquatic Plants (B14)		Dry-Seaso	n Water Table (C2)	
Saturation (A3) Water Marks (B1)	True Aquatic Plants (B14) Hydrogen Sulfide Odor (C		Dry-Season Crayfish Bu	n Water Table (C2) urrows (C8)	
Saturation (A3) Water Marks (B1) Sediment Deposits (B2)	True Aquatic Plants (B14) Hydrogen Sulfide Odor (C Oxidized Rhizospheres on	Living Roots	Crayfish Bu (C3)	n Water Table (C2) urrows (C8) Visible on Aerial Imagery (C9)	
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3)	True Aquatic Plants (B14) Hydrogen Sulfide Odor (C Oxidized Rhizospheres on Presence of Reduced Iron	Living Roots (C4)	Crayfish Bu (C3) Saturation Stunted or	n Water Table (C2) urrows (C8) Visible on Aerial Imagery (C9) Stressed Plants (D1)	
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4)	True Aquatic Plants (B14) Hydrogen Sulfide Odor (C Oxidized Rhizospheres on Presence of Reduced Iron Recent Iron Reduction in T	Living Roots (C4)	(C3) Dry-Season Crayfish Bu (C3) Saturation Stunted or 6) Geomorphi	n Water Table (C2) urrows (C8) Visible on Aerial Imagery (C9) Stressed Plants (D1) ic Position (D2)	
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5)	True Aquatic Plants (B14) Hydrogen Sulfide Odor (C Oxidized Rhizospheres on Presence of Reduced Iron Recent Iron Reduction in T Thin Muck Surface (C7)	Living Roots (C4)	(C3) Dry-Season Crayfish Bu (C3) Saturation Stunted or 6) Geomorphi	n Water Table (C2) urrows (C8) Visible on Aerial Imagery (C9) Stressed Plants (D1)	
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	True Aquatic Plants (B14) Hydrogen Sulfide Odor (C Oxidized Rhizospheres on Presence of Reduced Iron Recent Iron Reduction in T Thin Muck Surface (C7) Gauge or Well Data (D9)	Living Roots (C4) Tilled Soils (C6	(C3) Dry-Season Crayfish Bu (C3) Saturation Stunted or 6) Geomorphi	n Water Table (C2) urrows (C8) Visible on Aerial Imagery (C9) Stressed Plants (D1) ic Position (D2)	
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8)	True Aquatic Plants (B14) Hydrogen Sulfide Odor (C Oxidized Rhizospheres on Presence of Reduced Iron Recent Iron Reduction in T Thin Muck Surface (C7) Gauge or Well Data (D9)	Living Roots (C4) Tilled Soils (C6	(C3) Dry-Season Crayfish Bu (C3) Saturation Stunted or 6) Geomorphi	n Water Table (C2) urrows (C8) Visible on Aerial Imagery (C9) Stressed Plants (D1) ic Position (D2)	
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations:	True Aquatic Plants (B14) Hydrogen Sulfide Odor (C Oxidized Rhizospheres on Presence of Reduced Iron Recent Iron Reduction in T Thin Muck Surface (C7) Gauge or Well Data (D9) Other (Explain in Remarks	Living Roots (C4) Tilled Soils (C6	(C3) Dry-Season Crayfish Bu (C3) Saturation Stunted or 6) Geomorphi	n Water Table (C2) urrows (C8) Visible on Aerial Imagery (C9) Stressed Plants (D1) ic Position (D2)	
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes	True Aquatic Plants (B14) Hydrogen Sulfide Odor (C Oxidized Rhizospheres on Presence of Reduced Iron Recent Iron Reduction in T Thin Muck Surface (C7) Gauge or Well Data (D9) Other (Explain in Remarks No X Depth (inches):	Living Roots (C4) Tilled Soils (C6	(C3) Dry-Season Crayfish Bu (C3) Saturation Stunted or 6) Geomorphi	n Water Table (C2) urrows (C8) Visible on Aerial Imagery (C9) Stressed Plants (D1) ic Position (D2)	
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations:	True Aquatic Plants (B14) Hydrogen Sulfide Odor (C Oxidized Rhizospheres on Presence of Reduced Iron Recent Iron Reduction in T Thin Muck Surface (C7) Gauge or Well Data (D9) Other (Explain in Remarks No X Depth (inches): No X Depth (inches):	Living Roots (C4) iilled Soils (Cd	(C3) Crayfish Bu (C3) Saturation Stunted or 6) Geomorphi	n Water Table (C2) urrows (C8) Visible on Aerial Imagery (C9) Stressed Plants (D1) ic Position (D2) al Test (D5)	
Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes Water Table Present? Yes	True Aquatic Plants (B14) Hydrogen Sulfide Odor (C Oxidized Rhizospheres on Presence of Reduced Iron Recent Iron Reduction in T Thin Muck Surface (C7) Gauge or Well Data (D9) Other (Explain in Remarks No X Depth (inches): No X Depth (inches):	Living Roots (C4) iilled Soils (Cd	(C3) Dry-Season Crayfish Bu (C3) Saturation Stunted or 6) Geomorphi	n Water Table (C2) urrows (C8) Visible on Aerial Imagery (C9) Stressed Plants (D1) ic Position (D2) al Test (D5)	

Remarks:

No indicators of wetland hydrology are observed. There is not wetland hydrology at DP-UPL-WSJ-020.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New W	estville to West	t Manchester		City/Co	ounty: Jackson/Preb	ole		Sampling Date:	10/18/2023
Applicant/Owner:	AES					State:	ОН	Sampling Point:	DP-WSJ-021
Investigator(s): Stuar	rt Jennings, Ha	nnah Saxena		Section,	Township, Range:	04 8N	1E		
Landform (hillside, te	errace, etc.): <u>to</u>	eslope			Local relief (conca	ve, conv	vex, none)	concave	
Slope (%): 6-12	Lat: <u>39.8174</u>	742°∣N		Long:	-84.7755317°₩			Datum: NAD 83 OI	⊣.S
Soil Map Unit Name	: Miami loam, e	roded & Kokor	no silt loam			I	NWI class	ification: NA	
Are climatic / hydrolo	ogic conditions	on the site typi	cal for this time of ye	ear?	Yes No	<u> </u>	(If no, ex	plain in Remarks.)	
Are Vegetation N	, Soil <u>N</u> , o	or Hydrology`	Y significantly dist	urbed?	Are "Normal Circum	nstances	s" present	? Yes No	о <u>Х</u>
Are Vegetation N	, Soil <u>N</u> , o	or Hydrology	Nnaturally problem	natic?	(If needed, explain	any ans	wers in Re	emarks.)	
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.									
Hydrophytic Vegeta Hydric Soil Present Wetland Hydrology	?	Yes X Yes X Yes X	No No No		ne Sampled Area nin a Wetland?		Yes <u>X</u>	No	
Pomorko:									

Remarks:

All Three wetland parameters are present at DP-WSJ-021; this area is a PEM wetland. Hydrologic and climatologic data, over past 3 months, suggest drier than normal conditions at time of data collection. Stormwater input into this wetland.

VEGETATION - Use scientific names of plants.

Tro	o Stratum	(Dist size)	30)	Absolute	Dominant	Indicator	Dominance Tes	t workob	o o tu		
<u>Tre</u>	e Stratum	(Plot size:	30)	% Cover	Species?	Status					
1. 2.								Number of Domi Are OBL, FACW			1	(A)
3. 4.								Total Number of Across All Strata		t Species	2	(B)
5.		otum (Dioi				=Total Cover		Percent of Domin Are OBL, FACW			50.0%	_(A/B)
<u>5a</u> 1.	oling/Shrub Str			15	· ´			Prevalence Inde	ex works	neet:		
2.								Total % Cov	ver of:	Mu	ltiply by:	
3.								OBL species	30	x 1 =	,,,,	
4.								FACW species	38	x 2 =		
5.						·		FAC species		x 3 =	0	
						=Total Cover		FACU species		x 4 =	120	
He	rb Stratum	(Plot size:	5)				UPL species		x 5 =	10	
1.	Typha latifolia				30	Yes	OBL	Column Totals:	100	(A)	236	(B)
2.	Solidago cana	densis			30	Yes	FACU	Prevalence In	dex = B/A	4 =	2.36	
3.	Apocynum ca	nnabinum			15	No	FACW					
4.	Phalaris arund	linacea			15	No	FACW	Hydrophytic Ve	getation	Indicators	5:	
5.	Mentha spicat	a			5	No	FACW	1 - Rapid Te	st for Hyd	rophytic V	egetation	
6.	Euthamia grar	ninifolia			3	No	FACW	2 - Dominan	ce Test is	>50%		
7.	Sericocarpus	linifolius			2	No	UPL	X 3 - Prevalen	ce Index i	s ≤3.0 ¹		
8.								4 - Morpholo	-	• •		•••••
9.								data in Re	emarks or	on a sepa	rate sheet)
10.								Problematic	Hydrophy	rtic Vegeta	ntion ¹ (Exp	lain)
	ody Vine Strat) 100	=Total Cover		¹ Indicators of hyd be present, unles				/ must
1. 2.								Hydrophytic Vegetation				
						=Total Cover		•	Yes X	No		
Re	marks: (Includ	e photo numbers	s here or	on a sepa	arate sheet.)							

The prevalence index is met. The vegetation is hydrophytic at DP-WSJ-021.

SOI	
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		to the dep				ator or	confirm the absence	of indicators	.)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Featur %	es Type ¹	Loc ²	Texture		Remarks	
0-4	10YR 4/2	90	7.5YR 3/4	10	<u>C</u>	PL	Sandy		sandy silt loam	1
4-16	10YR 4/3	100	7.5YR 3/4	10	С	PL	Loamy/Clayey		clay	
		·								
¹ Type: C=C	oncentration, D=Dep	letion, RM	Reduced Matrix, N	MS=Mas	ked San	d Grains	s. ² Location	: PL=Pore Li	ning, M=Matrix	κ.
Hydric Soil	Indicators:						Indicator	s for Proble	matic Hydric	Soils ³ :
Histosol	(A1)		Sandy Gle	yed Mat	rix (S4)		Coas	t Prairie Rede	ox (A16)	
Histic Ep	pipedon (A2)		X Sandy Re	dox (S5)			Iron-I	Manganese M	lasses (F12)	
Black Hi	istic (A3)		Stripped N	/atrix (Se	3)		Red	Parent Materi	al (F21)	
	en Sulfide (A4)		Dark Surfa	. ,			Very	Shallow Dark	Surface (F22)
Stratified	d Layers (A5)		Loamy Mu	icky Mine	eral (F1)		Othe	r (Explain in F	Remarks)	
	uck (A10)		Loamy Gle	eyed Mat	trix (F2)					
	d Below Dark Surface	e (A11)	Depleted I	-	-		2			
	ark Surface (A12)		Redox Da				³ Indicators of hydrophytic vegetation and			
	/lucky Mineral (S1)		Depleted [• •)			must be prese	ent,
	ucky Peat or Peat (S	-	Redox De	Redox Depressions (F8)			unles	s disturbed o	r problematic.	
	Layer (if observed):									
Type:										
Depth (i	nches):						Hydric Soil Present	?	Yes X	No
Remarks:										
Hydric soil ir	ndicator S5 Sandy Re	edox is met	. The soil is hydric	at DP-W	/SJ-021.					
HYDROLO										
-	drology Indicators: cators (minimum of c	ne is requi	red: check all that	annlv)			Seconda	v Indicators (minimum of tv	vo required)
	Water (A1)		Water-Sta		ves (B9)			ce Soil Crack		<u>io required j</u>
	ater Table (A2)		Aquatic Fa					age Patterns	()	
Saturatio			True Aqua	-	-			Season Wate		
	larks (B1)			Hydrogen Sulfide Odor (C1)				ish Burrows (
Sedimer	nt Deposits (B2)		X Oxidized F						on Aerial Imag	jery (C9)
Drift Dep	posits (B3)		Presence	of Reduc	ced Iron	(C4)	Stunt	ed or Stresse	ed Plants (D1)	
Algal Mat or Crust (B4)			Recent Iro	Recent Iron Reduction in Tilled Soils				norphic Posit	ion (D2)	
Iron Dep	oosits (B5)		Thin Muck		. ,		X FAC-	Neutral Test	(D5)	
Inundati	on Visible on Aerial I	magery (B7	7) Gauge or	Well Dat	a (D9)					
Sparsely	y Vegetated Concave	e Surface (E	38)Other (Exp	plain in R	(emarks					
Field Obser	rvations:									
		es	No <u>X</u>	Depth (i	· · _					
Water Table		es			nches): _			_ .=		
Saturation P		es	No <u>X</u>	Depth (i	nches):		Wetland Hydrolog	gy Present?	Yes X	No
	pillary fringe)									
Describe Re	corded Data (stream	gauge, mo	onitoring well, aeria	a priotos	, previou	s inspec	cuons), ir avallable:			

Remarks:

One primary (Oxidized Rhizospheres on Living Roots) and three secondary (drainage patterns, geomorphic position, and the FAC-Neutral Test) indicators of wetland hydrology are observed. There is wetland hydrology at DP-WSJ-021. The wetland area consisted of a roadside swale on the edge of the highway with a steep slope. Large culvert outfalls into wetland - suggests storm drainage.

OMB Control #: 0710-0024, Exp:11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: New Westville to West Manchester		City/County: Jack	son/Preble	Sampling Date: 10/18/2023
Applicant/Owner: <u>AES</u>			State: OH	Sampling Point: DP-UPL-WSJ-021
Investigator(s): Stuart Jennings, Hannah Saxena		Section, Township,	Range: 04 8N 1E	
Landform (hillside, terrace, etc.): hillside		Local relie	ef (concave, convex, none):	none
Slope (%):6-12		Long: -84.77551	57°₩	Datum: NAD 83 OH.S
Soil Map Unit Name: Miami Ioam			NWI classi	ification: NA
Are climatic / hydrologic conditions on the site typical	for this time of ye	ar? Yes	No X (If no, ex	plain in Remarks.)
Are Vegetation N , Soil N , or Hydrology N	-		al Circumstances" present	
Are Vegetation N , Soil N , or Hydrology N			, explain any answers in Re	
SUMMARY OF FINDINGS – Attach site n				
Hydrophytic Vegetation Present? Yes	No X	Is the Sampled	d Area	
	No X	within a Wetla		No X
Wetland Hydrology Present? Yes	No X			
Remarks: Wetland parameters are not present at DP-UPL-WS conditions at time of data collection.	J-021. Hydrologic	and climatologic da	ata, over past 3 months, su	ggest drier than normal
VEGETATION – Use scientific names of p	lants.			
Tree Stratum (Plot size: 30)		ominant Indicato pecies? Status	r Dominance Test wo	rksheet:
1. 2.			Number of Dominant Are OBL, FACW, or F	•
3			Total Number of Dom Across All Strata:	ninant Species 1 (B)
5.		tal Cover	 Percent of Dominant Are OBL, FACW, or F 	Species That
Sapling/Shrub Stratum (Plot size: 15)			
1			Prevalence Index w	
2			Total % Cover of	
3				0 x 1 = 0
4				$\frac{4}{2}$ x 2 = <u>8</u>
5		tal Cover		$\begin{array}{c} 0 \\ x 3 = \\ 0 \\ x 4 = \\ 312 \end{array}$
Herb Stratum (Plot size: 5)			· · ·	$\frac{78}{13}$ x 4 = <u>312</u> x 5 = 65
1. Festuca pratensis	60	Yes FACU		95 (A) 385 (B)
2. Setaria viridis	10	No UPL	Prevalence Index	
3. Solidago canadensis	10	No FACU	-	
4. Plantago lanceolata	<u> </u>	No FACU	Hydrophytic Vegeta	tion Indicators:
5. Asclepias syriaca	3	No FACU		r Hydrophytic Vegetation
6. Daucus carota	3	No UPL	2 - Dominance Te	
7. Euthamia graminifolia	2	No FACW		
8. Vernonia noveboracensis	2	No FACW	-	Adaptations ¹ (Provide supporting
9.				ks or on a separate sheet)
10.			Problematic Hyd	rophytic Vegetation ¹ (Explain)
Woody Vine Stratum (Plot size:	95 =Tot	tal Cover		soil and wetland hydrology must sturbed or problematic.
1			Hydrophytic	
2.			Vegetation	
	=Tot	tal Cover	Present? Yes	No <u>X</u>
Remarks: (Include photo numbers here or on a sep	arate sheet.)			

No indicators of hydrophytic vegetation are met. The vegetation is not hydrophytic at DP-UPL-WSJ-021.

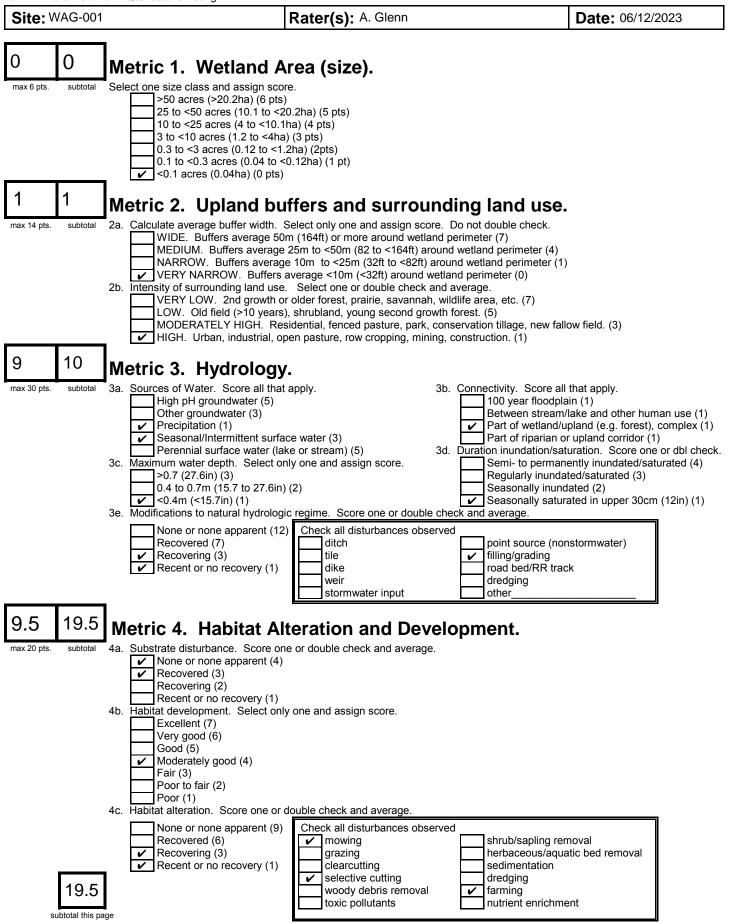
Profile Des	cription: (Describe	to the dep	th needed to doo	cument t	he indica	ator or o	confirm the absence of i	ndicators.)	
Depth	Matrix		Redo	ox Featu		0			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-4	10YR 4/2	100					Loamy/Clayey		
4-16	10YR 4/3	100					Loamy/Clayey		
	·			-	·				
	·				·				
	·				·				
	·				·				
	<u></u>								
	Concentration, D=Dep	oletion, RM=	Reduced Matrix,	MS=Mas	ked San	d Grains		L=Pore Lining, M=Matr	-
-	Indicators:							or Problematic Hydric	Soils':
Histosol			Sandy Gl					rairie Redox (A16)	
	pipedon (A2)		Sandy Re					nganese Masses (F12)	
	istic (A3)		Stripped I					ent Material (F21)	
	en Sulfide (A4)		Dark Surf	()				allow Dark Surface (F22	2)
	d Layers (A5)		Loamy M	-			Other (E	xplain in Remarks)	
	uck (A10) d Dalaw Dark Curfa	- (1 1 1)	Loamy Gl	-					
	d Below Dark Surfac ark Surface (A12)	e (A11)	Depleted				³ Indiantoro o	f hydrophytic ycartation	and
	Aucky Mineral (S1)		Redox Da Depleted		• •		³ Indicators of hydrophytic vegetation and		
	ucky Peat or Peat (S	3)	Redox De		• • •)	wetland hydrology must be present, unless disturbed or problematic.		
				pression	IS (FO)		uniess u	isturbed of problematic	•
	Layer (if observed)	:							
Type:	nahaa);						Undria Sail Dracant?	Vaa	
Depth (i	nches).						Hydric Soil Present?	Yes	<u>No X</u>
Remarks:		_							
NO NYARIC SO	oil indicators are met	. The soll is	not nydric at DP-	UPL-WS	J-021.				
HYDROLO									
-	drology Indicators		rad, abaal, all that	(annly)			Secondary I	adiaatara (miningum aft	we required)
	icators (minimum of	one is requi						ndicators (minimum of t	<u>wo requirea)</u>
	Water (A1)		Water-Sta		()			Soil Cracks (B6)	
Saturati	ater Table (A2)		Aquatic F	•	,			e Patterns (B10) son Water Table (C2)	
	/arks (B1)		·	True Aquatic Plants (B14) Hydrogen Sulfide Odor (C1)				Burrows (C8)	
	. ,		Oxidized		•	,	/	on Visible on Aerial Ima	deny (CQ)
Sediment Deposits (B2)						-		or Stressed Plants (D1	
Drift Deposits (B3) Algal Mat or Crust (B4)				Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils				phic Position (D2))
	posits (B5)		Thin Muc					utral Test (D5)	
	ion Visible on Aerial	Imagery (R7			. ,				
	y Vegetated Concav								
Field Obser		(-	, <u> </u>	•	- /				
		es	No X	Depth (inches):				
Water Table		es	No X	• •	inches):				
Saturation F		es	No X	Depth (Wetland Hydrology	Present? Yes	No X
	pillary fringe)			. (<i>'</i> _		, , , , , , , , , , , , , , , , , , , ,		
	ecorded Data (strean	n daude mo	nitoring well aeri	al photos	previou	s inspec	tions) if available		

Remarks:

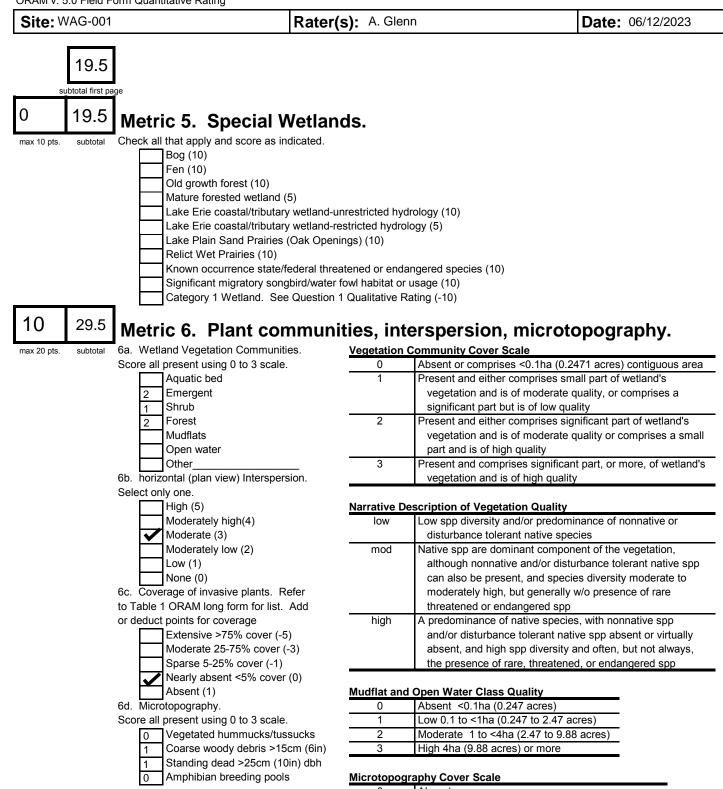
No indicators of wetland hydrology are observed. There is not wetland hydrology at DP-UPL-WSJ-021.



ORAM for Wetlands v. 5.0 Scoring Forms



last revised 1 February 2001 jjm

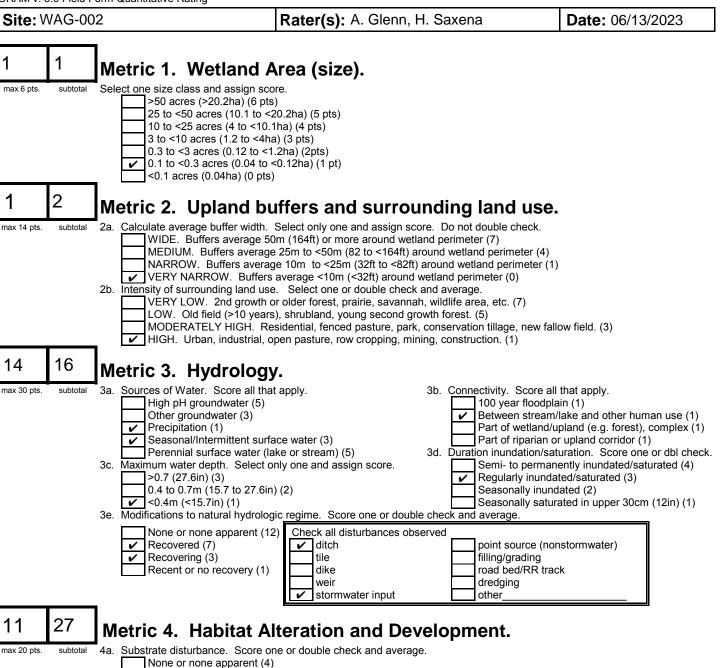


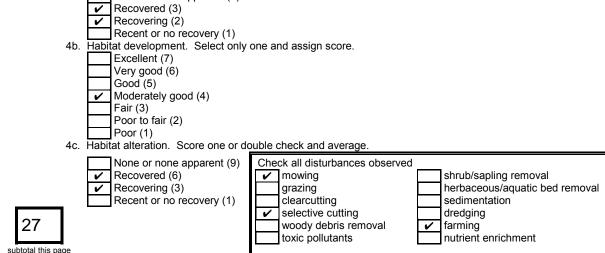
0	Absent
1	Present very small amounts or if more common
	of marginal quality
2	Present in moderate amounts, but not of highest
	quality or in small amounts of highest quality
3	Present in moderate or greater amounts
	and of highest quality

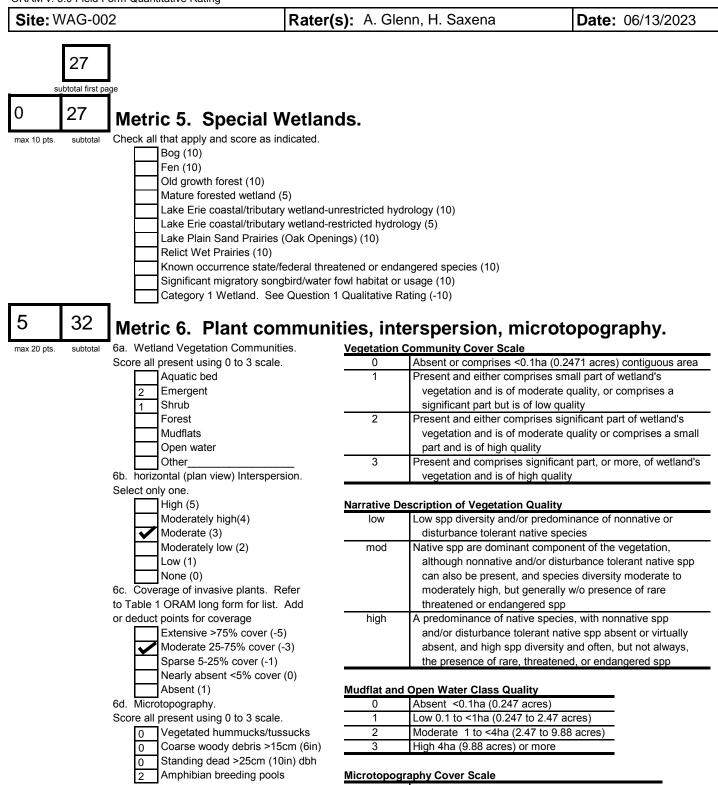
29.5 GRAND TOTAL (max 100 pts)

Refer to the most recent ORAM Score Calibration Report for the scoring breakpoints between wetland categories at the following address: http://www.epa.state.oh.us/dsw/401/401.html last revised 1 February 2001 jjm

1



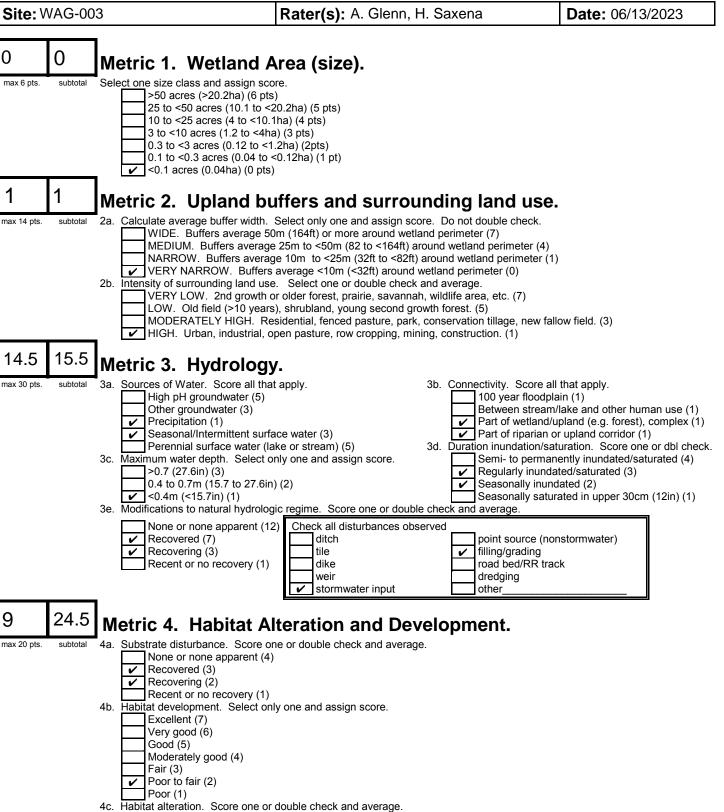


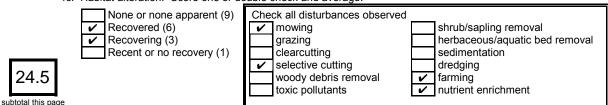


0	Absent
1	Present very small amounts or if more common
	of marginal quality
2	Present in moderate amounts, but not of highest
	quality or in small amounts of highest quality
3	Present in moderate or greater amounts
	and of highest quality

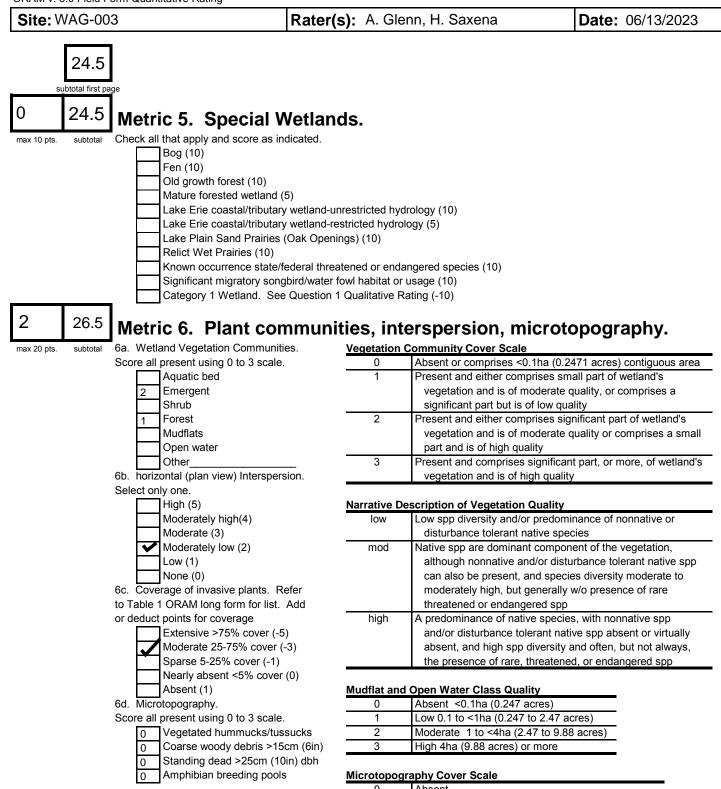
32 GRAND TOTAL (max 100 pts)

Refer to the most recent ORAM Score Calibration Report for the scoring breakpoints between wetland categories at the following address: http://www.epa.state.oh.us/dsw/401/401.html last revised 1 February 2001 jim





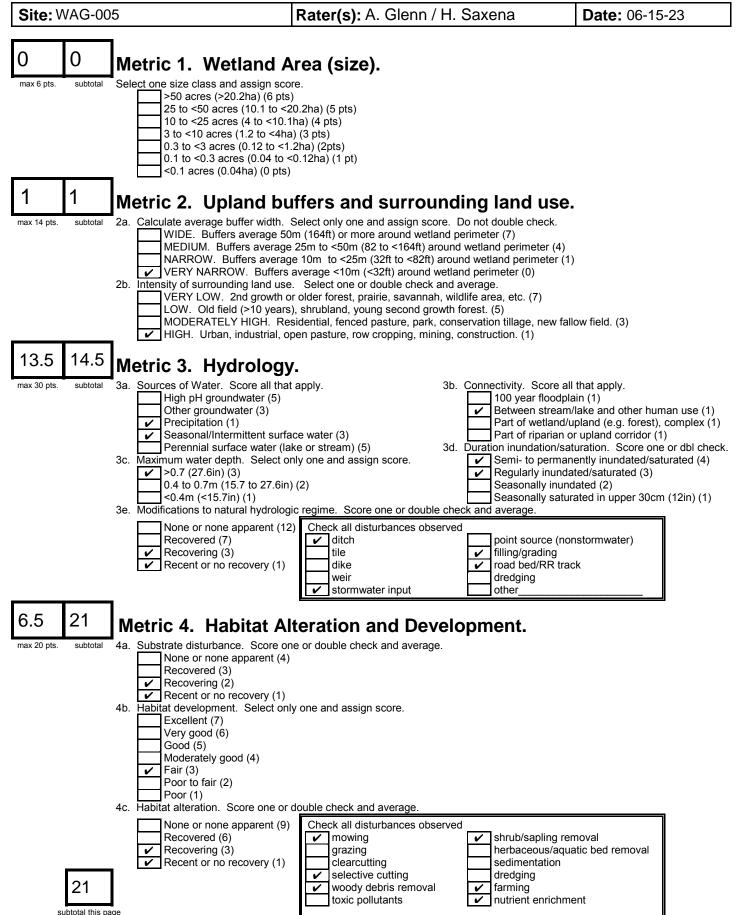
last revised 1 February 2001 jjm



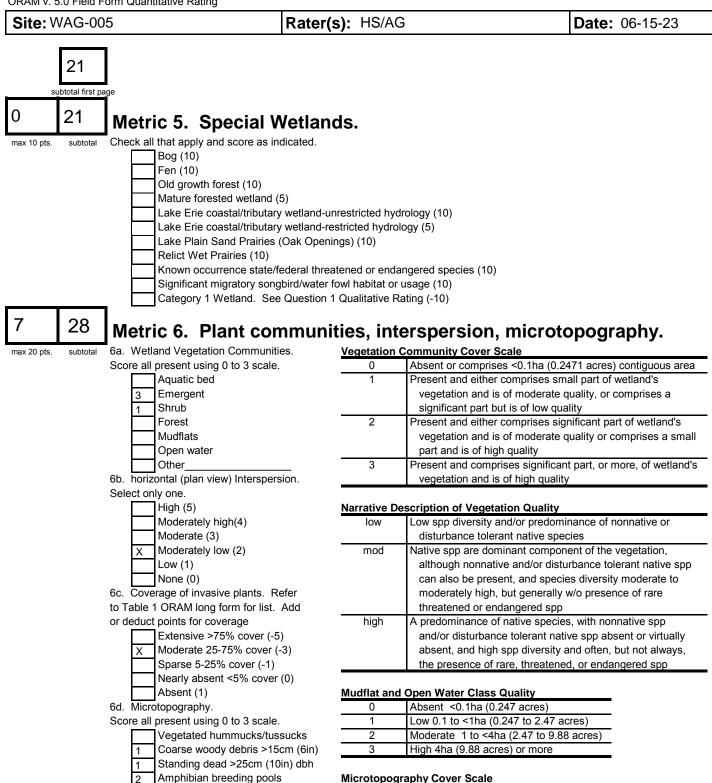
0	Absent
1	Present very small amounts or if more common
_	of marginal quality
2	Present in moderate amounts, but not of highest
_	quality or in small amounts of highest quality
3	Present in moderate or greater amounts
	and of highest quality

26.5 GRAND TOTAL (max 100 pts)

Refer to the most recent ORAM Score Calibration Report for the scoring breakpoints between wetland categories at the following address: http://www.epa.state.oh.us/dsw/401/401.html last revised 1 February 2001 jjm



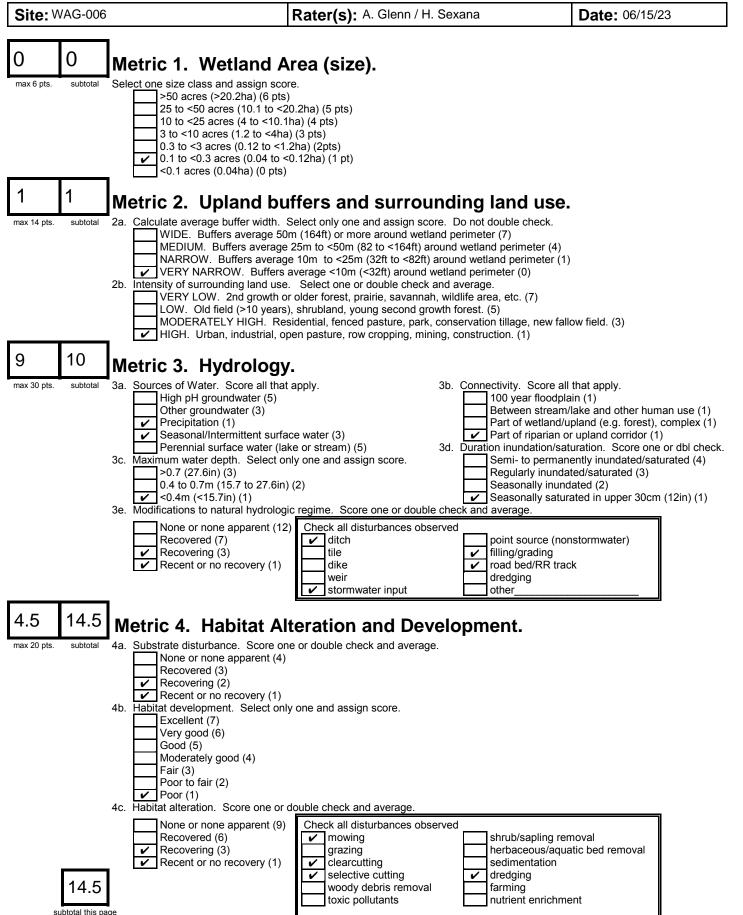
last revised 1 February 2001 jjm



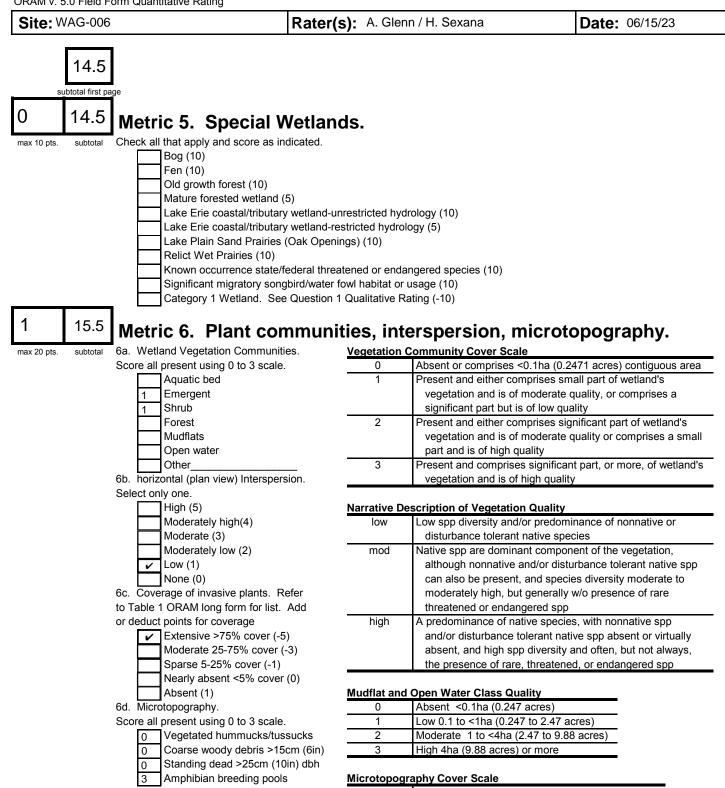
0	Absent
1	Present very small amounts or if more common
	of marginal quality
2	Present in moderate amounts, but not of highest
	quality or in small amounts of highest quality
3	Present in moderate or greater amounts
	and of highest quality

28 GRAND TOTAL (max 100 pts)

Refer to the most recent ORAM Score Calibration Report for the scoring breakpoints between wetland categories at the following address: http://www.epa.state.oh.us/dsw/401/401.html last revised 1 February 2001 jjm



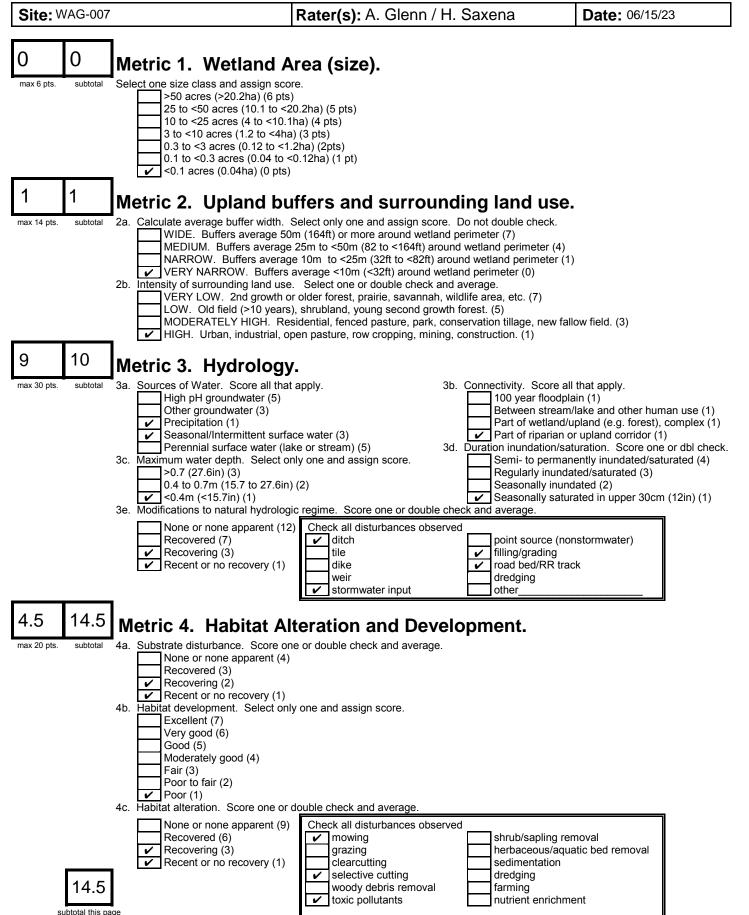
last revised 1 February 2001 jjm



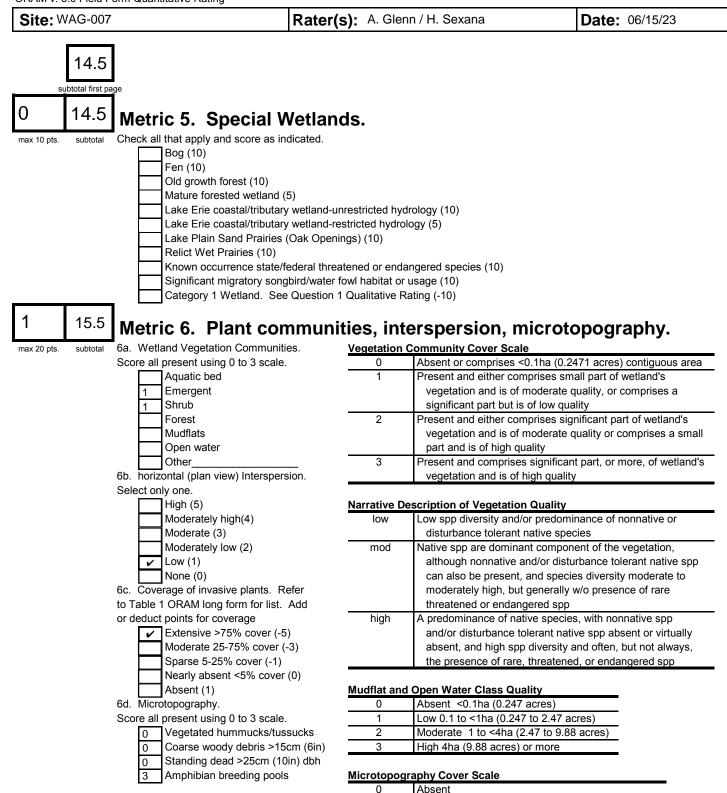
0	Absent
1	Present very small amounts or if more common
	of marginal quality
2	Present in moderate amounts, but not of highest
	quality or in small amounts of highest quality
3	Present in moderate or greater amounts
	and of highest quality

15.5 GRAND TOTAL (max 100 pts)

Refer to the most recent ORAM Score Calibration Report for the scoring breakpoints between wetland categories at the following address: http://www.epa.state.oh.us/dsw/401/401.html last revised 1 February 2001 jjm



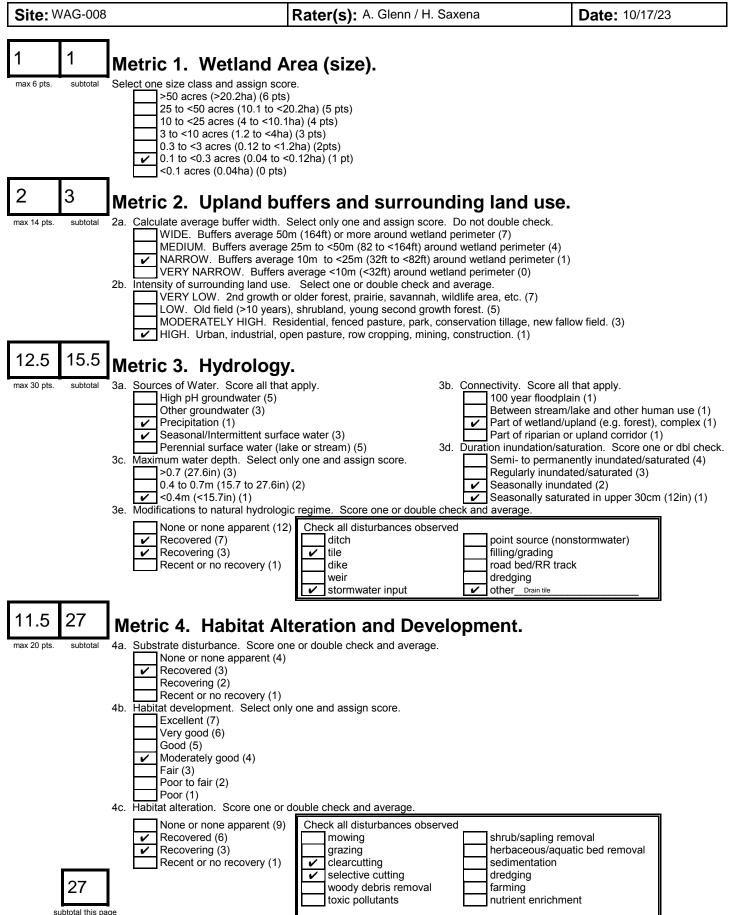
last revised 1 February 2001 jjm



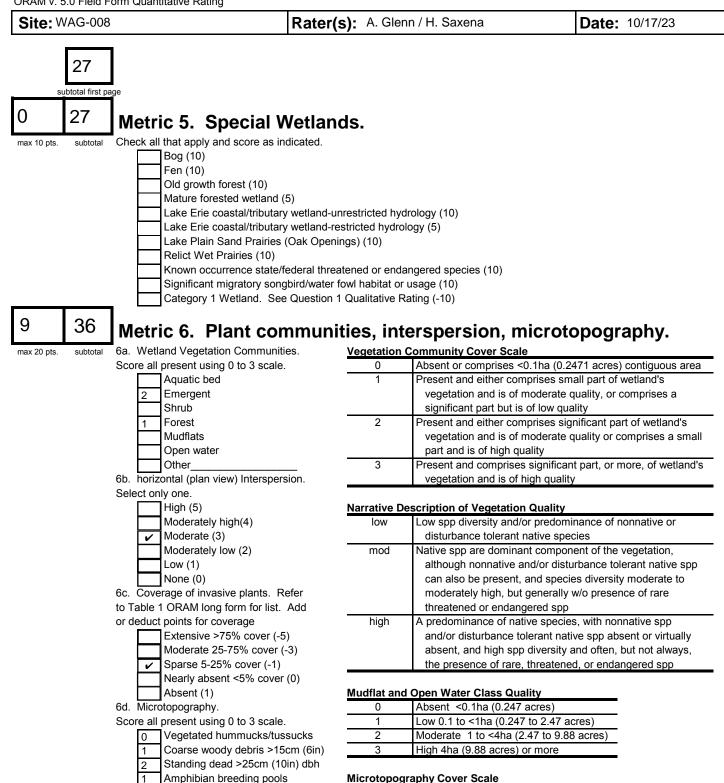
-	
1	Present very small amounts or if more common
	of marginal quality
2	Present in moderate amounts, but not of highest
	quality or in small amounts of highest quality
3	Present in moderate or greater amounts
	and of highest quality

15.5 GRAND TOTAL (max 100 pts)

Refer to the most recent ORAM Score Calibration Report for the scoring breakpoints between wetland categories at the following address: http://www.epa.state.oh.us/dsw/401/401.html last revised 1 February 2001 jjm



last revised 1 February 2001 jjm



0	Absent
1	Present very small amounts or if more common
	of marginal quality
2	Present in moderate amounts, but not of highest
	quality or in small amounts of highest quality
3	Present in moderate or greater amounts
	and of highest quality

36 GRAND TOTAL (max 100 pts)

Refer to the most recent ORAM Score Calibration Report for the scoring breakpoints between wetland categories at the following address: http://www.epa.state.oh.us/dsw/401/401.html last revised 1 February 2001 jjm

1

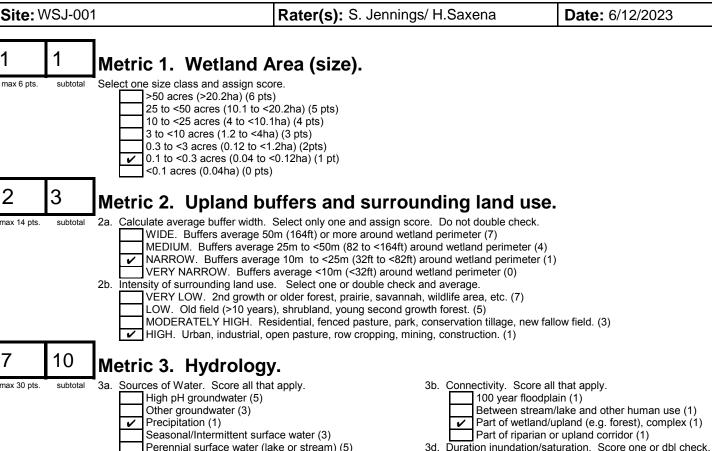
2

7

max 30 pts.

max 14 pts

max 6 pts.



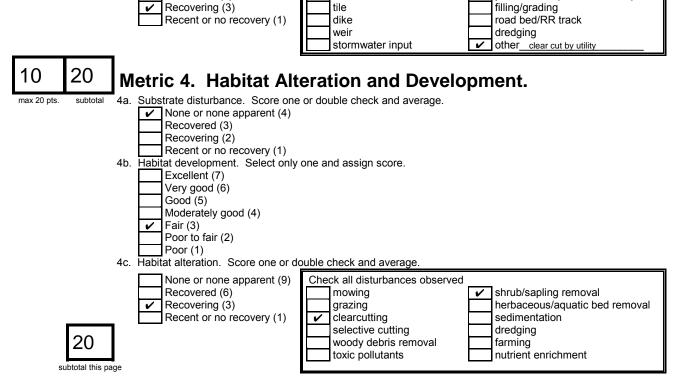
Semi- to permanently inundated/saturated (4)

✓ Seasonally saturated in upper 30cm (12in) (1)

Regularly inundated/saturated (3)

Seasonally inundated (2)

point source (nonstormwater)



3e. Modifications to natural hydrologic regime. Score one or double check and average.

ditch

Check all disturbances observed

3c. Maximum water depth. Select only one and assign score.

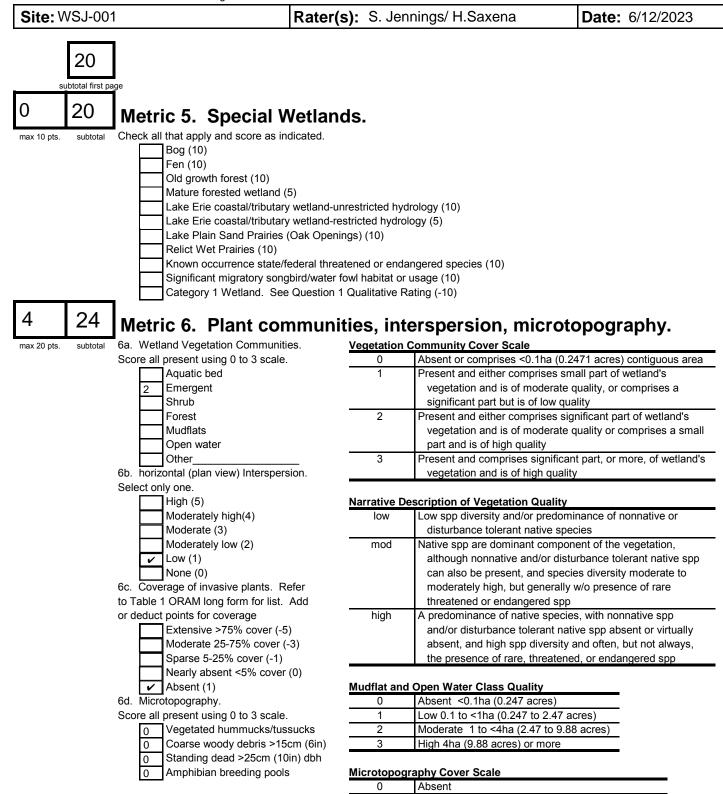
0.4 to 0.7m (15.7 to 27.6in) (2)

None or none apparent (12)

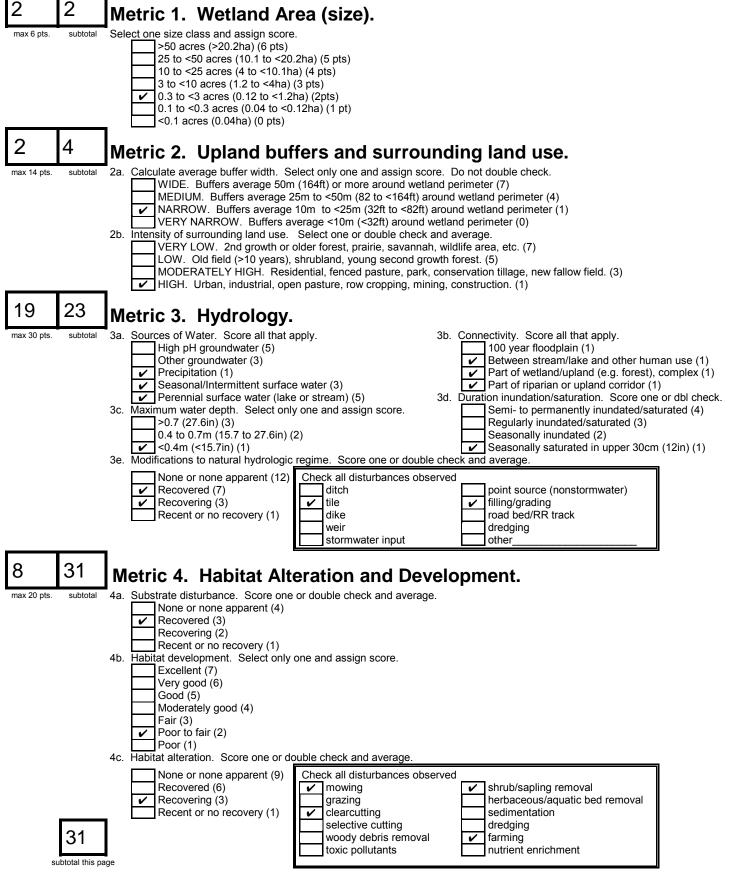
>0.7 (27.6in) (3)

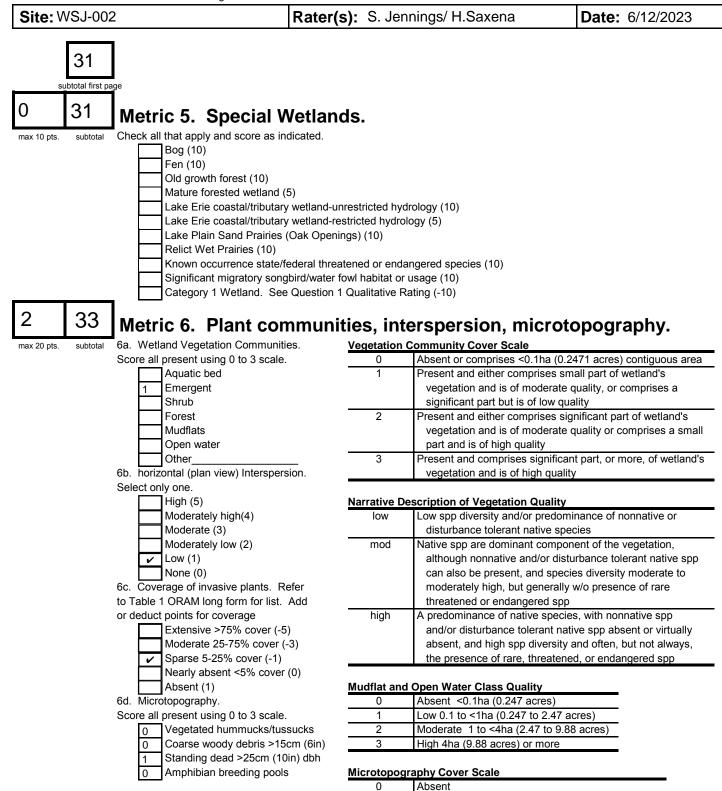
✓ <0.4m (<15.7in) (1)</p>

Recovered (7)



	0	Absent
	1	Present very small amounts or if more common
_		of marginal quality
	2	Present in moderate amounts, but not of highest
_		quality or in small amounts of highest quality
	3	Present in moderate or greater amounts
		and of highest quality





0	ADSEII
1	Present very small amounts or if more common
	of marginal quality
2	Present in moderate amounts, but not of highest
	quality or in small amounts of highest quality
3	Present in moderate or greater amounts
	and of highest quality

0

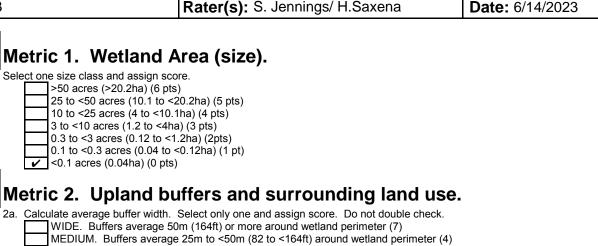
subtotal

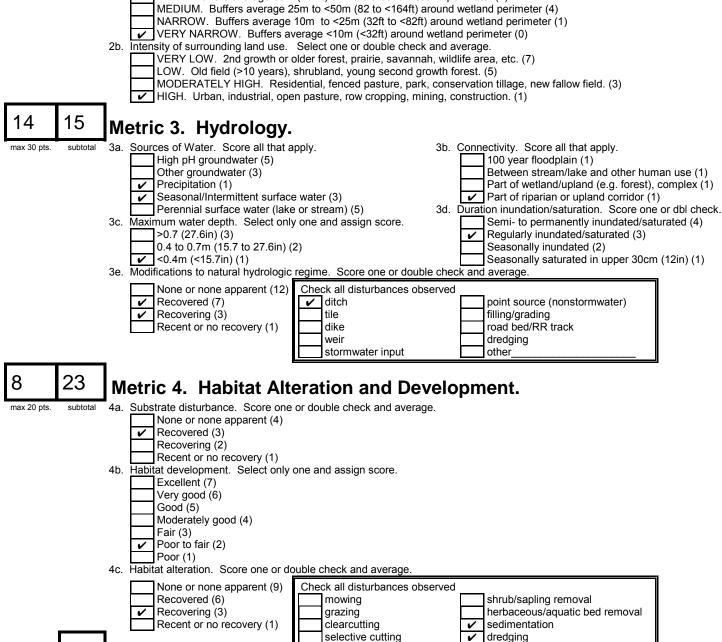
subtotal

0

max 6 pts.

max 14 pts





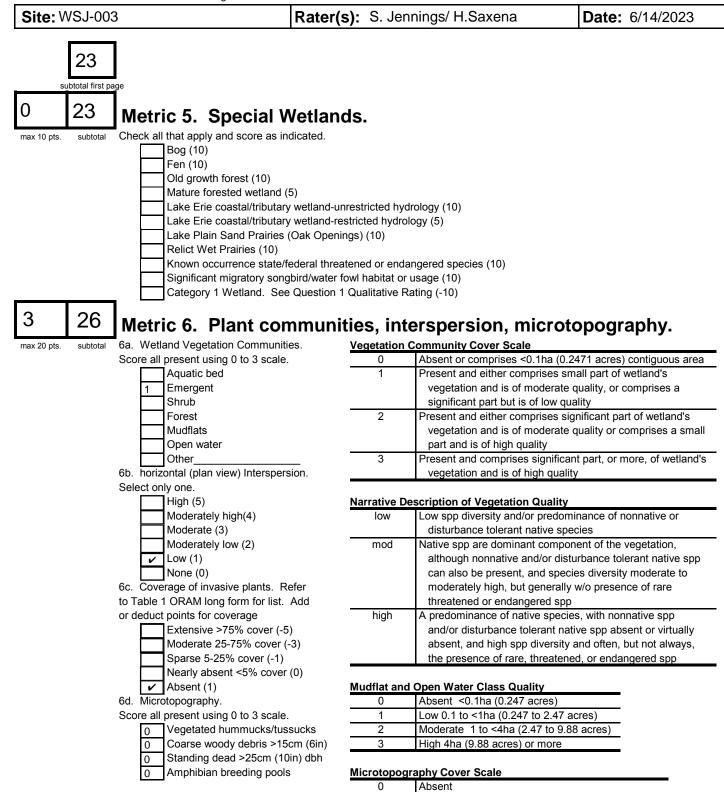
woody debris removal

toxic pollutants

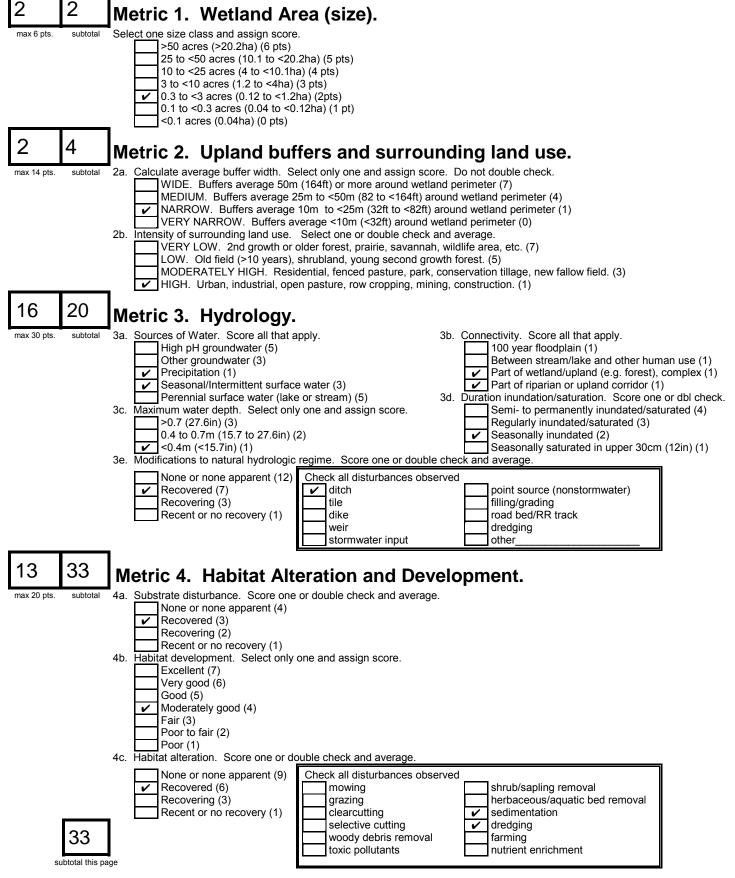
farming

nutrient enrichment

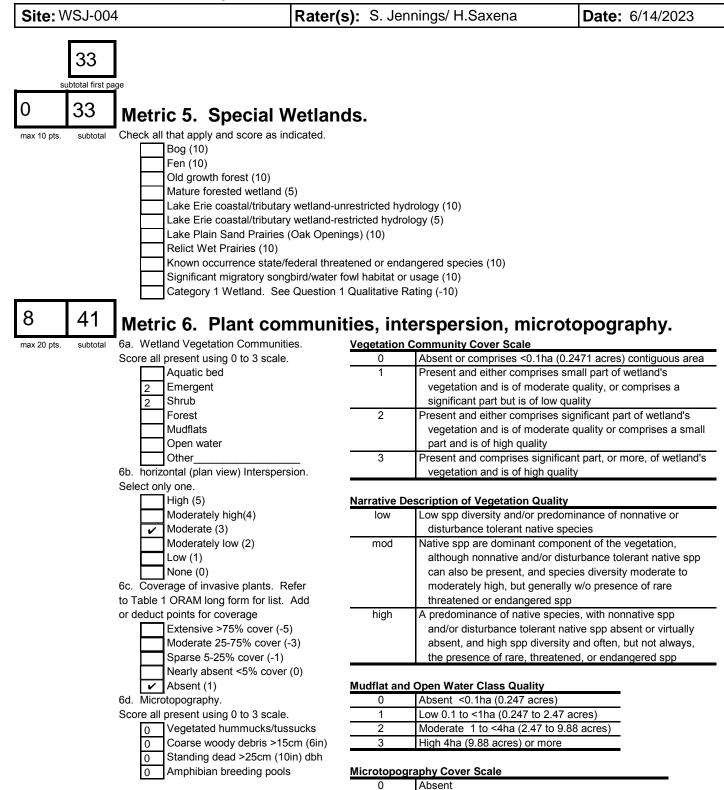
23



1	Present very small amounts or if more common
	of marginal quality
2	Present in moderate amounts, but not of highest
	quality or in small amounts of highest quality
3	Present in moderate or greater amounts
	and of highest quality



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	1	Present very small amounts or if more common
_		of marginal quality
	2	Present in moderate amounts, but not of highest
		quality or in small amounts of highest quality
	3	Present in moderate or greater amounts
		and of highest quality

0

13

subtotal

Metric 3. Hydrology. 3a. Sources of Water. Score all that apply.

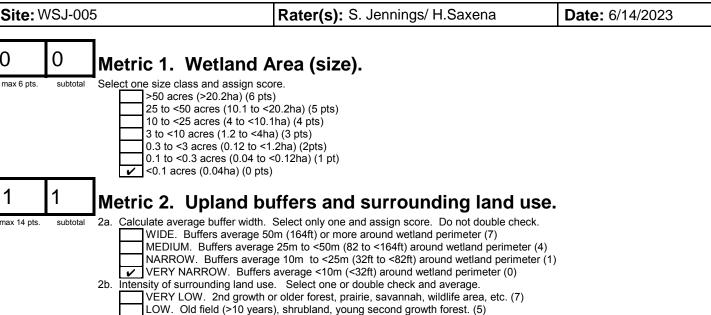
0

max 6 pts.

max 14 pts

12

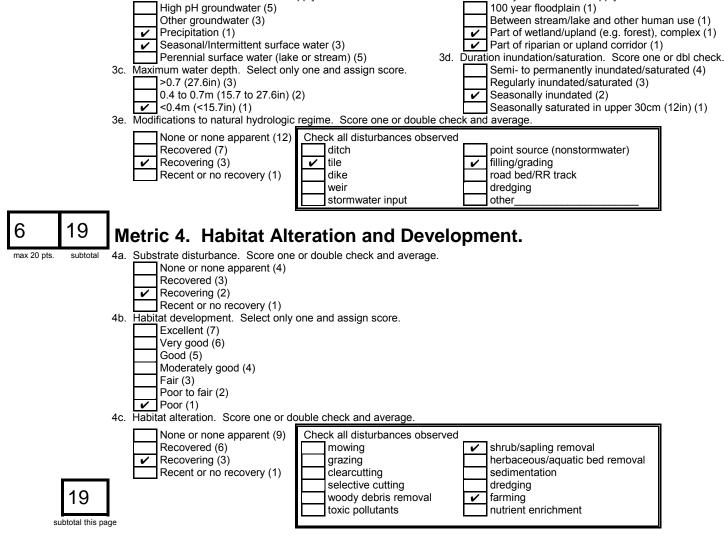
max 30 pts



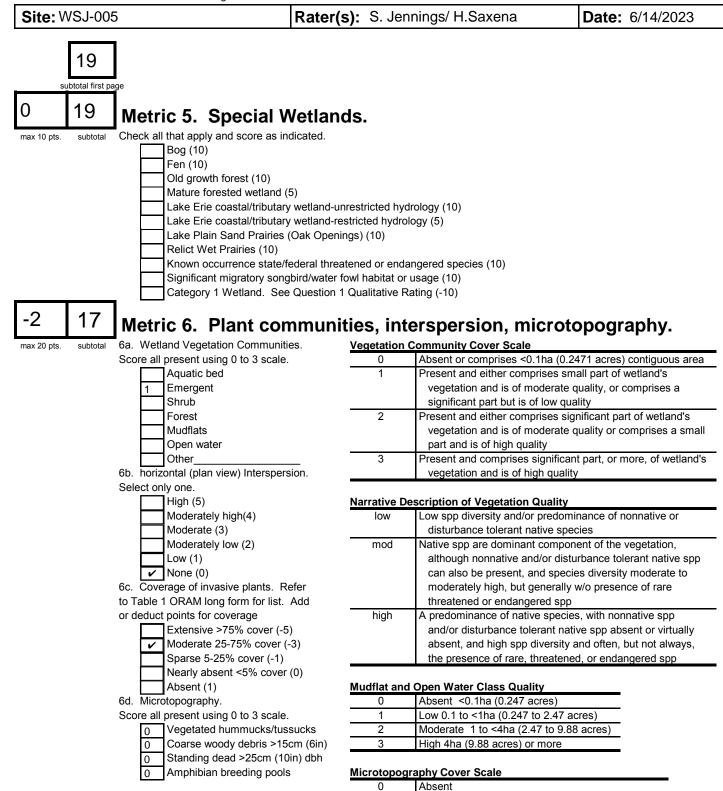
MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fallow field. (3)

3b. Connectivity. Score all that apply.

✓ HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1)



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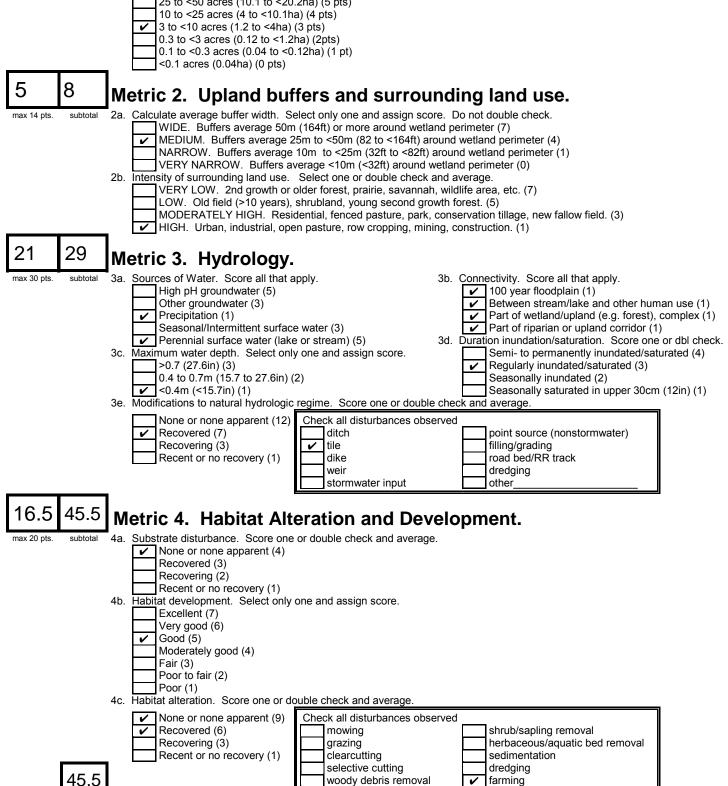
0	Absent
1	Present very small amounts or if more common
	of marginal quality
2	Present in moderate amounts, but not of highest
	quality or in small amounts of highest quality
3	Present in moderate or greater amounts
	and of highest quality

3

subtotal

3

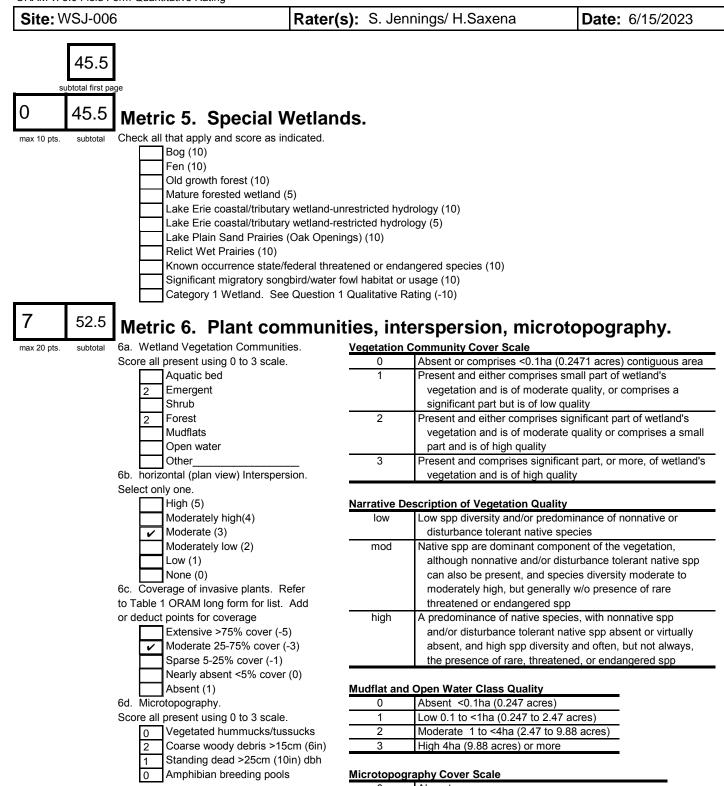
max 6 pts.



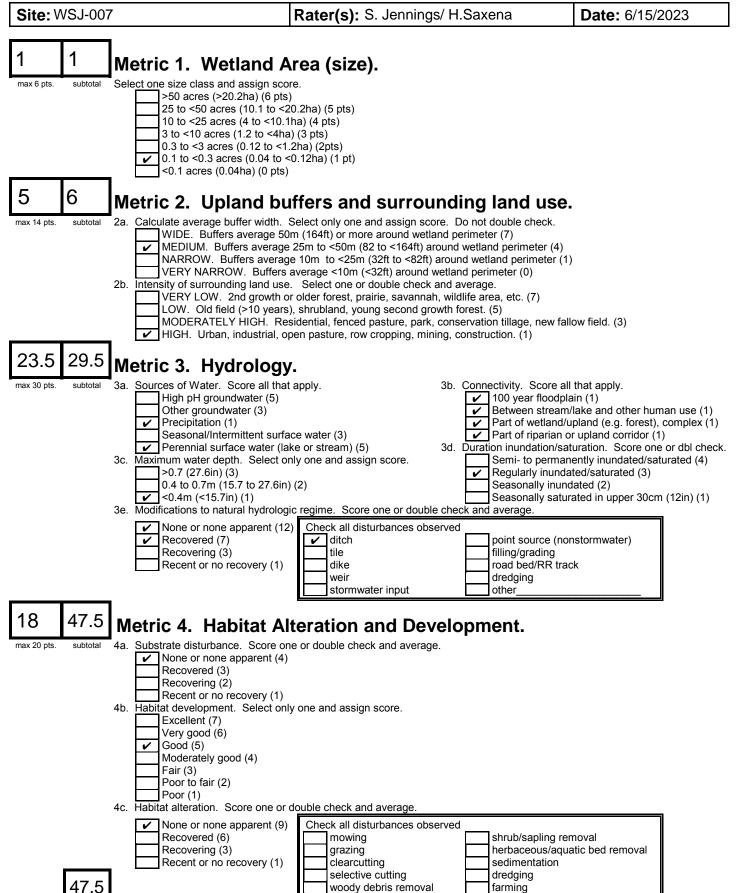
toxic pollutants

nutrient enrichment

subtotal this page



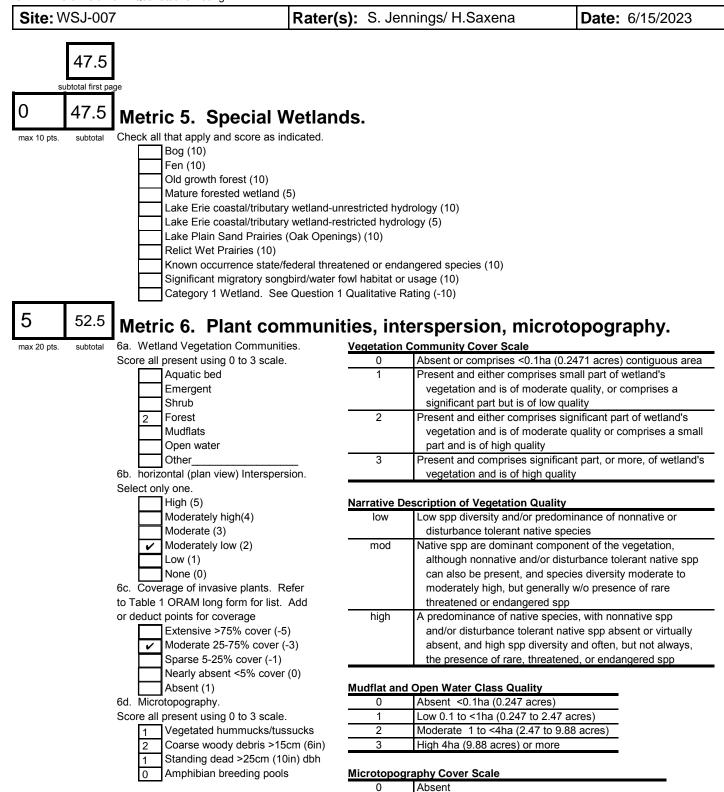
0	Absent
1	Present very small amounts or if more common
	of marginal quality
2	Present in moderate amounts, but not of highest
	quality or in small amounts of highest quality
3	Present in moderate or greater amounts
	and of highest quality



toxic pollutants

nutrient enrichment

subtotal this page last revised 1 February 2001 jjm



1

2

3

Present very small amounts or if more common

Present in moderate amounts, but not of highest quality or in small amounts of highest quality

Present in moderate or greater amounts

of marginal quality

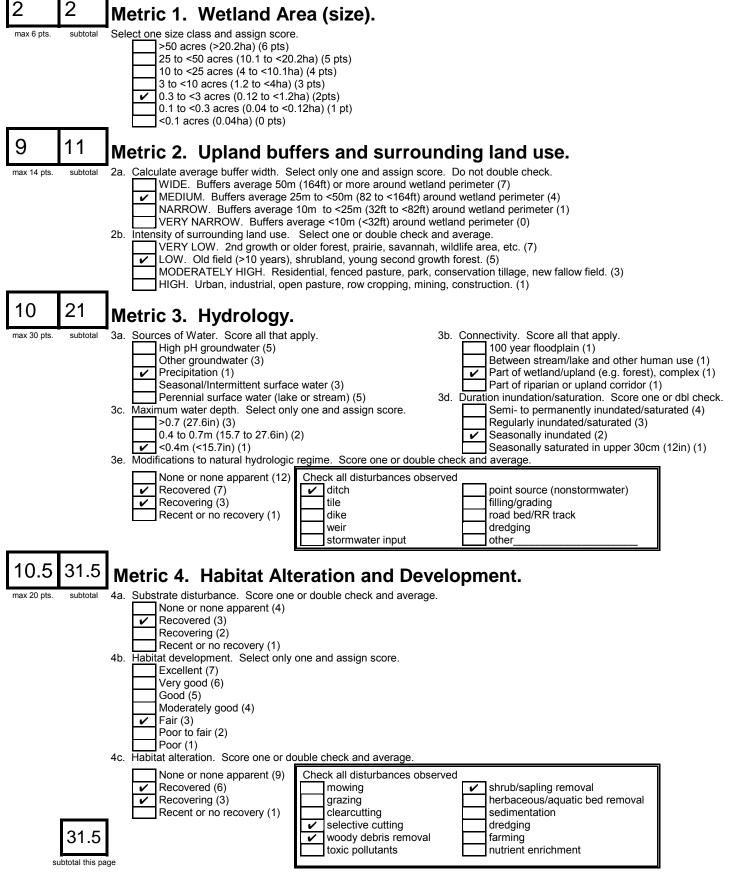
and of highest quality

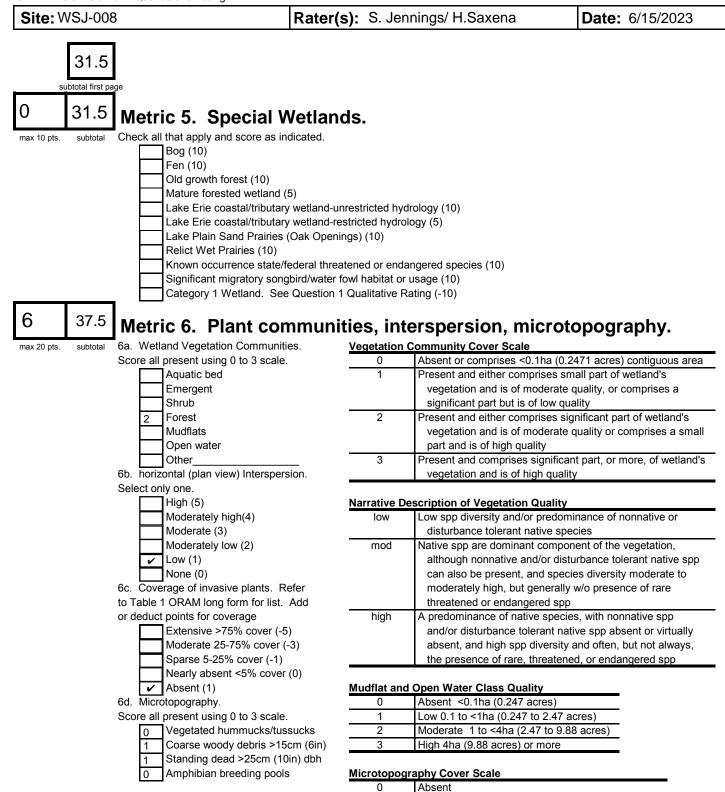
GRAND TOTAL (max 100 pts)

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52.5

Refer to the most recent ORAM Score Calibration Report for the scoring breakpoints between wetland categories at the following address: http://www.epa.state.oh.us/dsw/401/401.html





Refer to the most recent ORAM Score Calibration Report for the scoring breakpoints between wetland categories at the following address: http://www.epa.state.oh.us/dsw/401/401.html last revised 1 February 2001 jjm

1

2

3

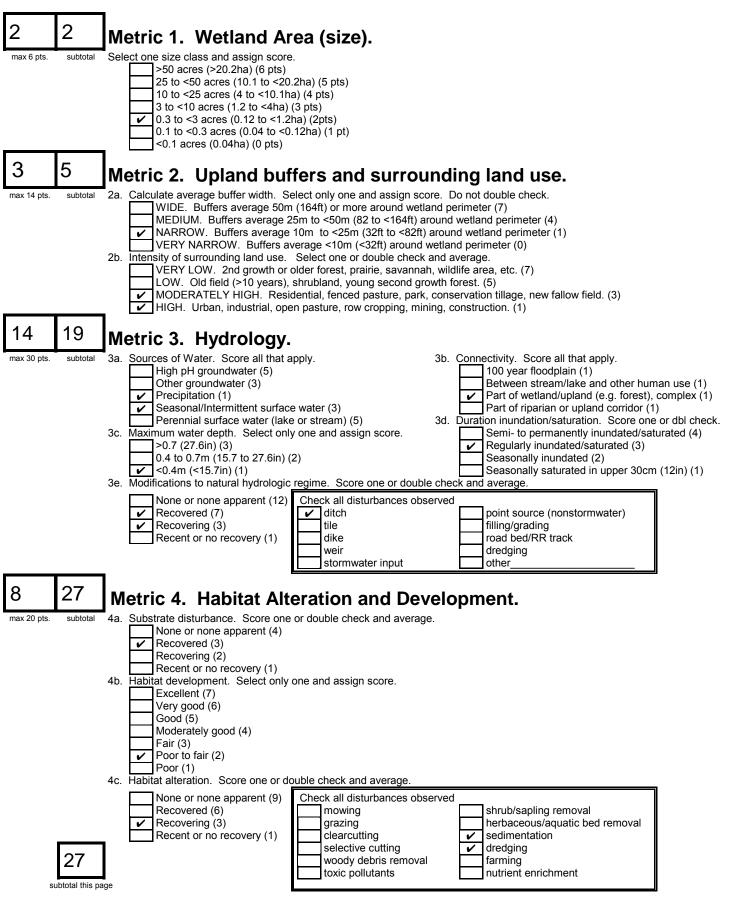
Present very small amounts or if more common

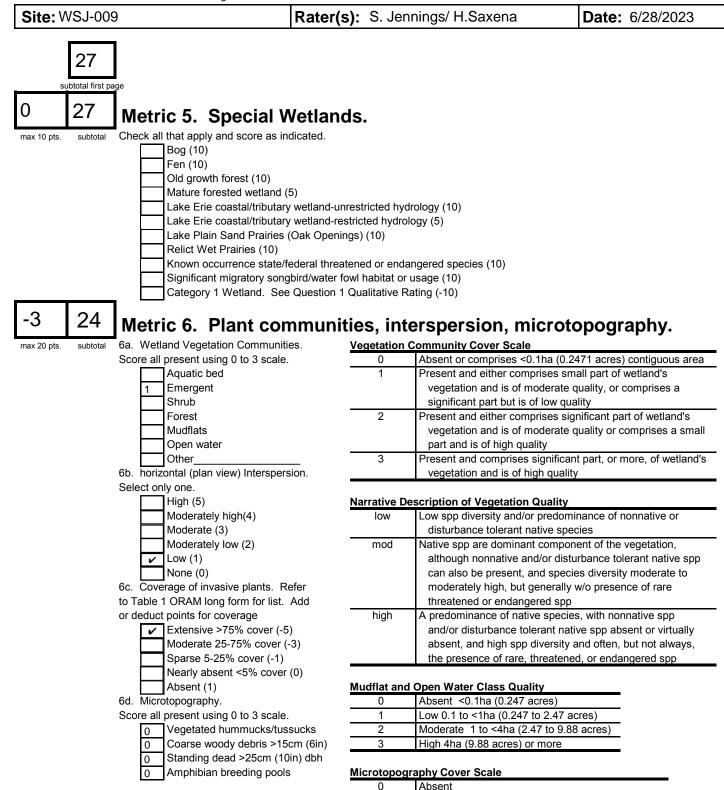
Present in moderate amounts, but not of highest quality or in small amounts of highest quality

Present in moderate or greater amounts

of marginal quality

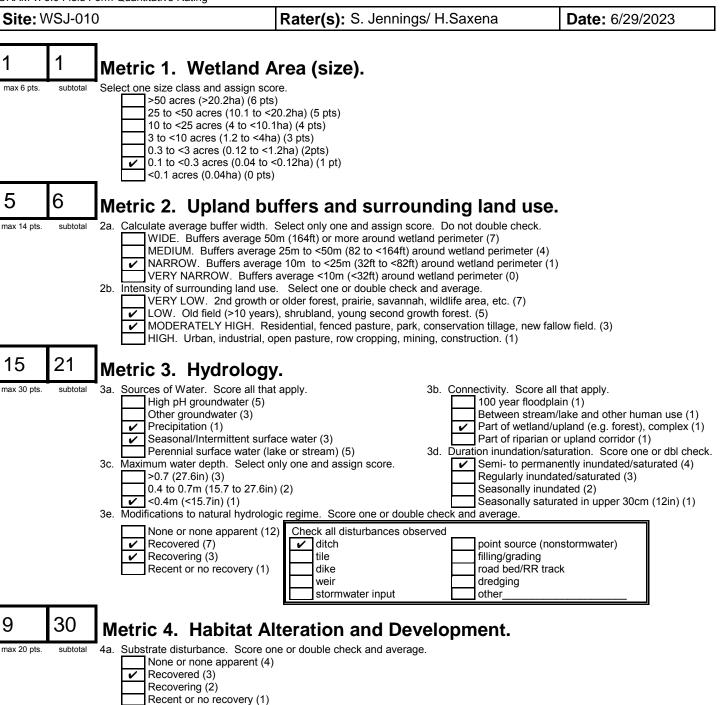
and of highest quality





0	Absent
1	Present very small amounts or if more common
	of marginal quality
2	Present in moderate amounts, but not of highest
	quality or in small amounts of highest quality
3	Present in moderate or greater amounts
	and of highest quality

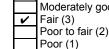
1



Habitat development. Select only one and assign score. 4b.

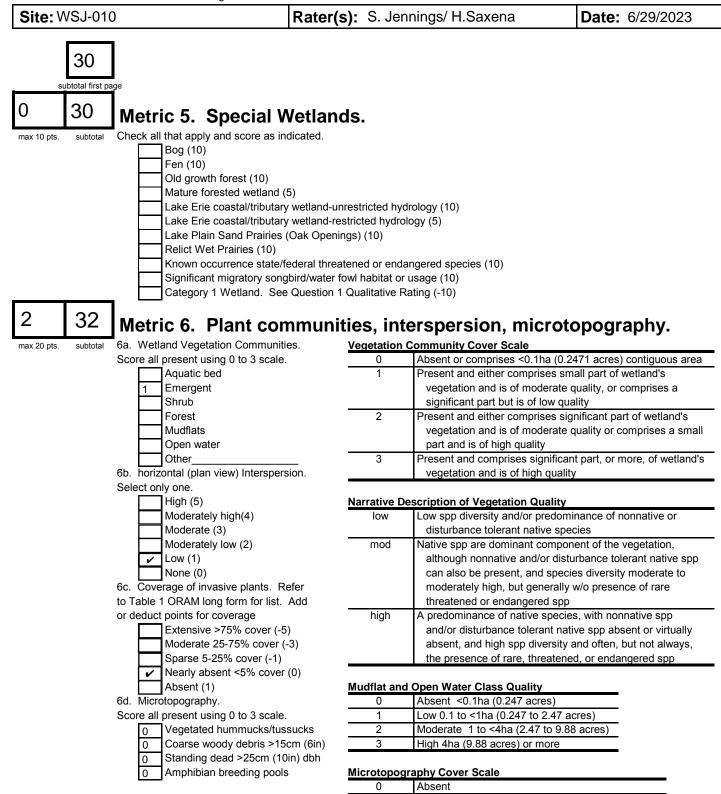






4c. Habitat alteration. Score one or double check and average





	0	ADSEII
1	1	Present very small amounts or if more common
		of marginal quality
	2	Present in moderate amounts, but not of highest
		quality or in small amounts of highest quality
	3	Present in moderate or greater amounts
		and of highest quality

2

3

subtotal

2

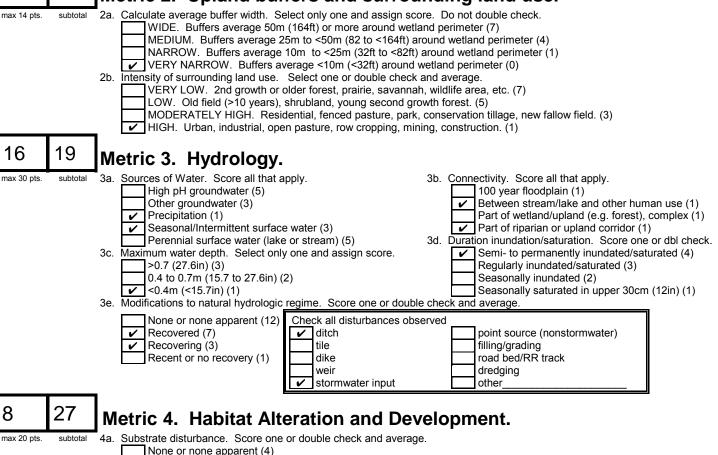
max 6 pts.

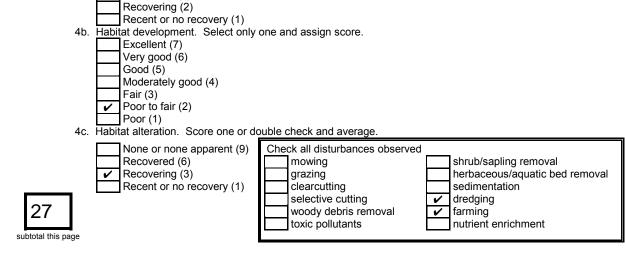
- 3 to <10 acres (1.2 to <4ha) (3 pts)
 - ✓ 0.3 to <3 acres (0.12 to <1.2ha) (2pts)
 - 0.1 to <0.3 acres (0.04 to <0.12ha) (2pt3)
 - <0.1 acres (0.04ha) (0 pts)

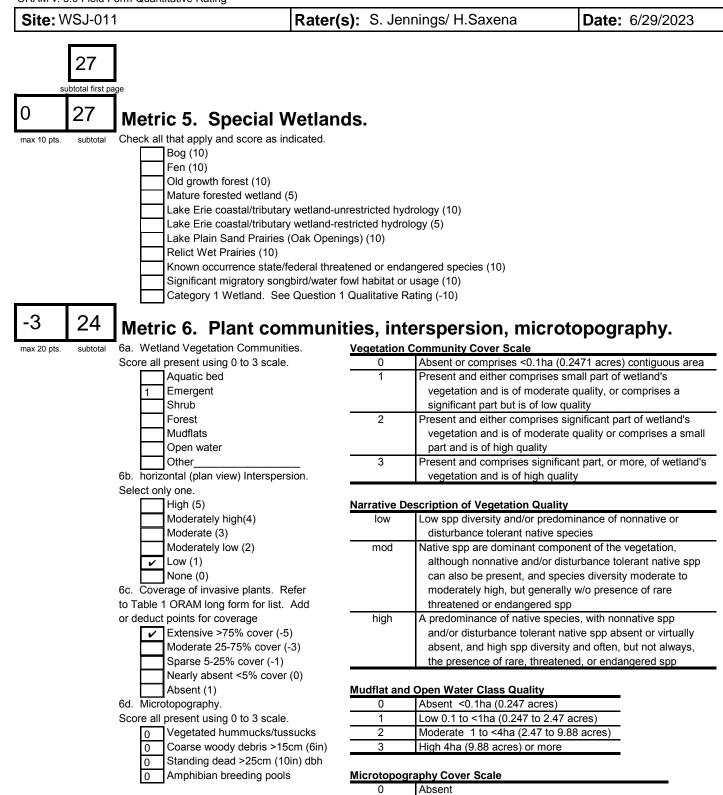
Recovered (3)

1

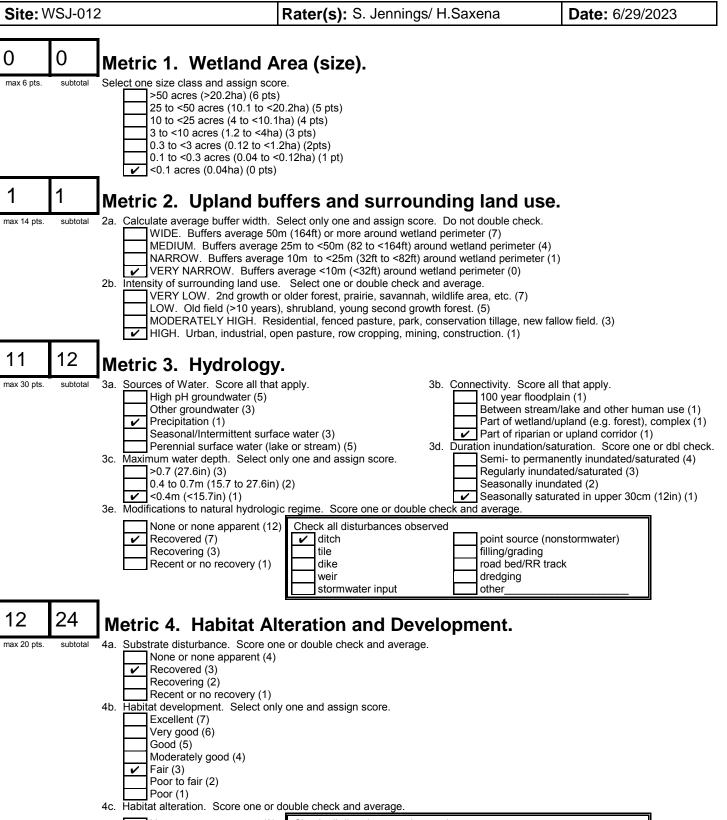
Metric 2. Upland buffers and surrounding land use.



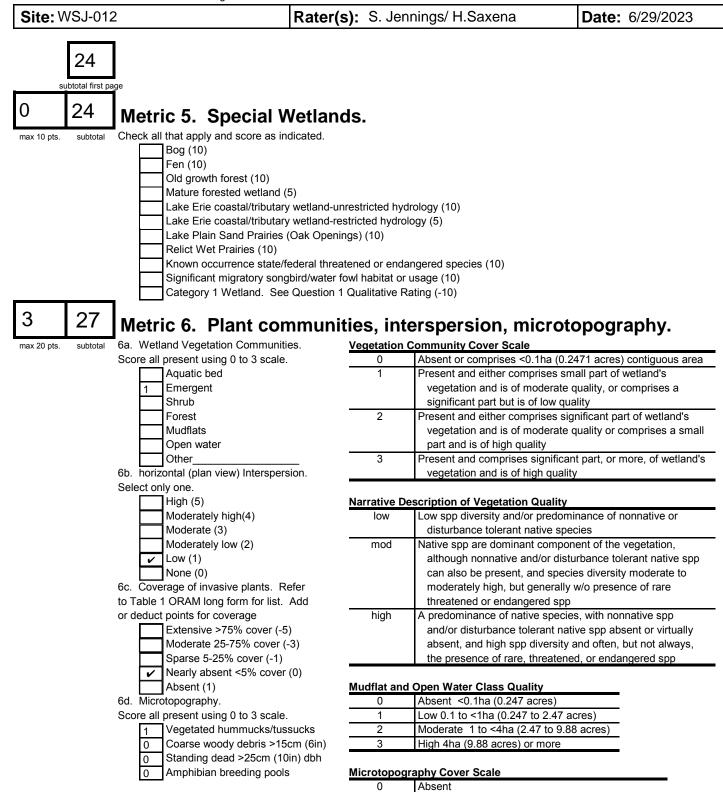




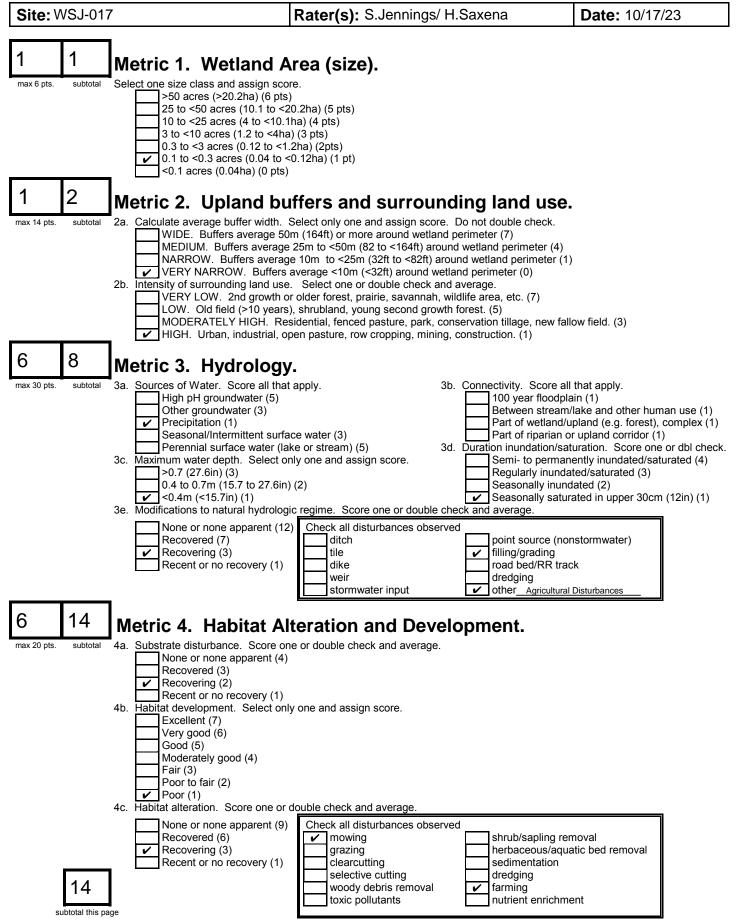
-	
1	Present very small amounts or if more common
	of marginal quality
2	Present in moderate amounts, but not of highest
	quality or in small amounts of highest quality
3	Present in moderate or greater amounts
	and of highest quality

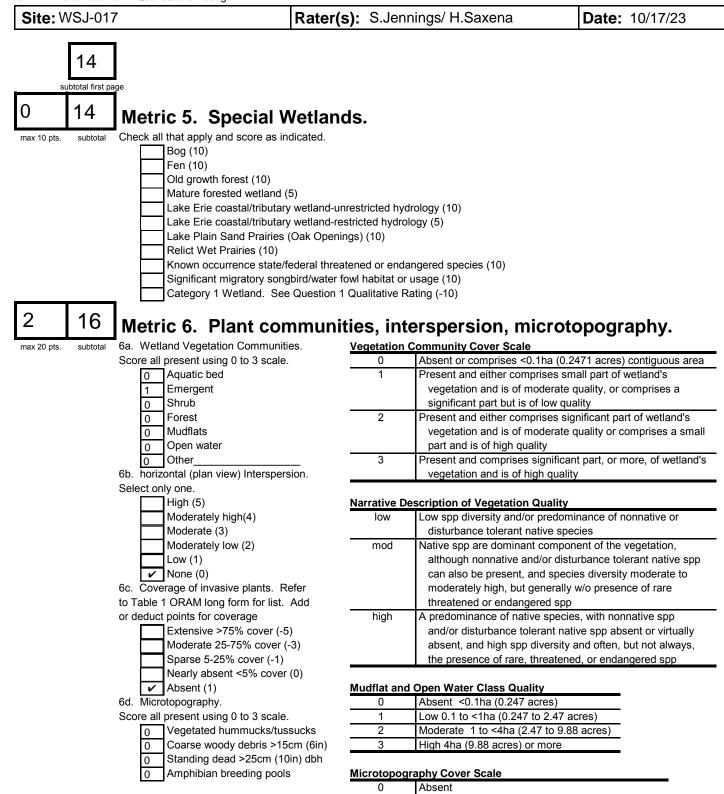




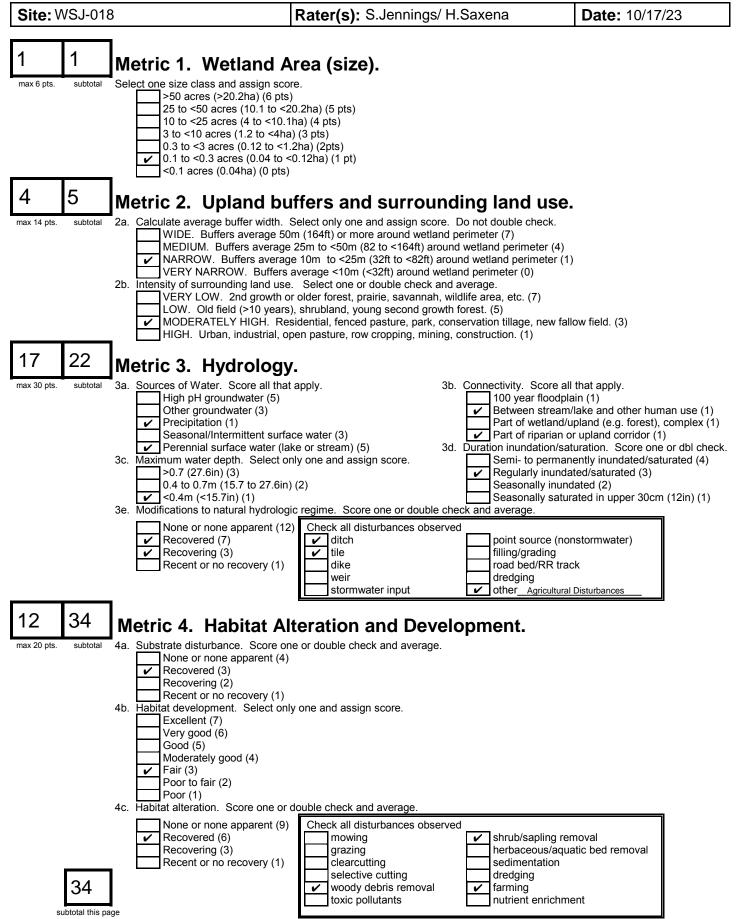


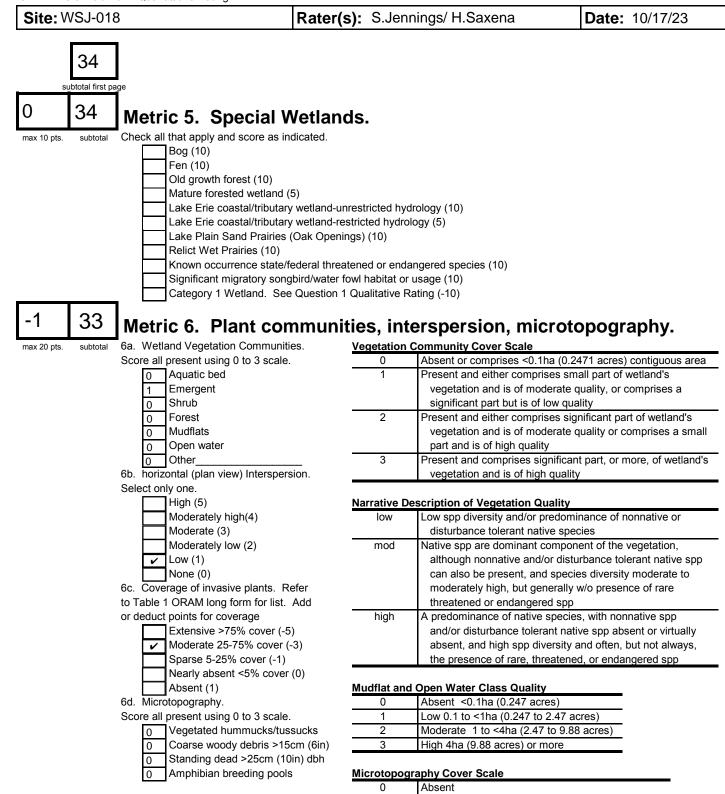
0	Absent
1	Present very small amounts or if more common
	of marginal quality
2	Present in moderate amounts, but not of highest
	quality or in small amounts of highest quality
3	Present in moderate or greater amounts
	and of highest quality



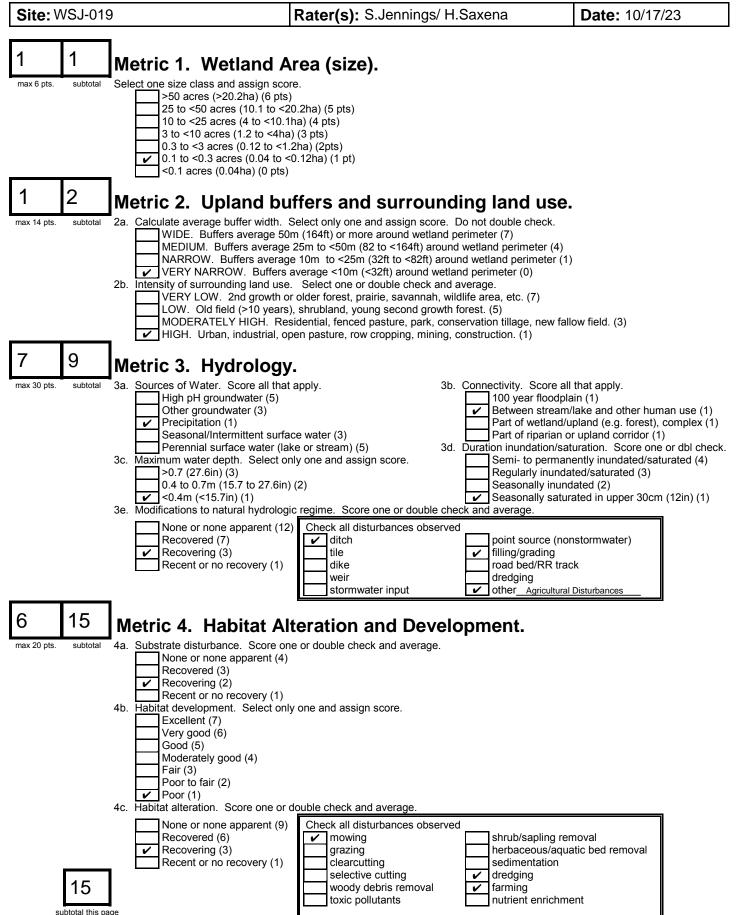


0	
1	Present very small amounts or if more common
	of marginal quality
2	Present in moderate amounts, but not of highest
	quality or in small amounts of highest quality
3	Present in moderate or greater amounts
	and of highest quality

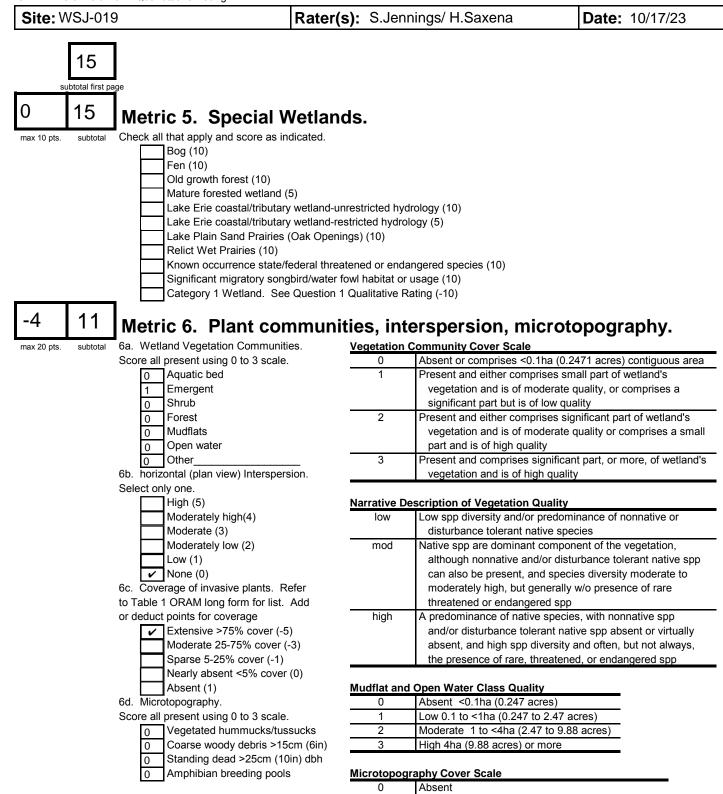




0	Absent
1	Present very small amounts or if more common
	of marginal quality
2	Present in moderate amounts, but not of highest
	quality or in small amounts of highest quality
3	Present in moderate or greater amounts
	and of highest quality

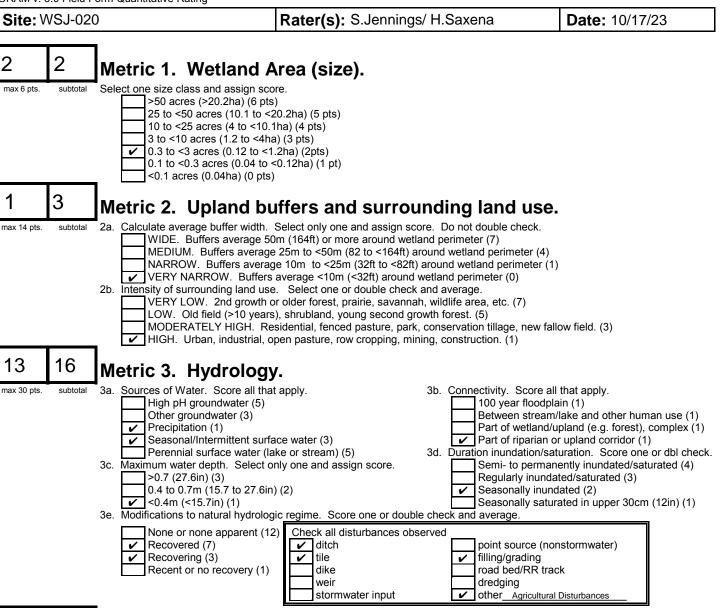


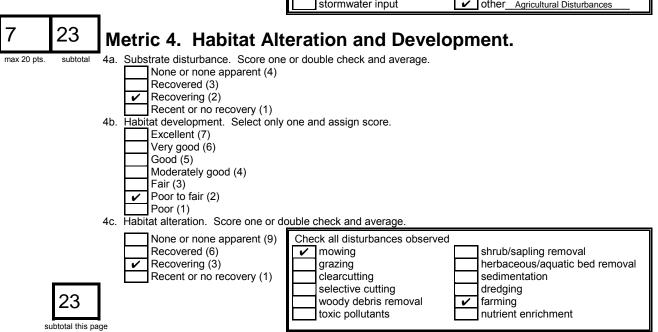
last revised 1 February 2001 jjm

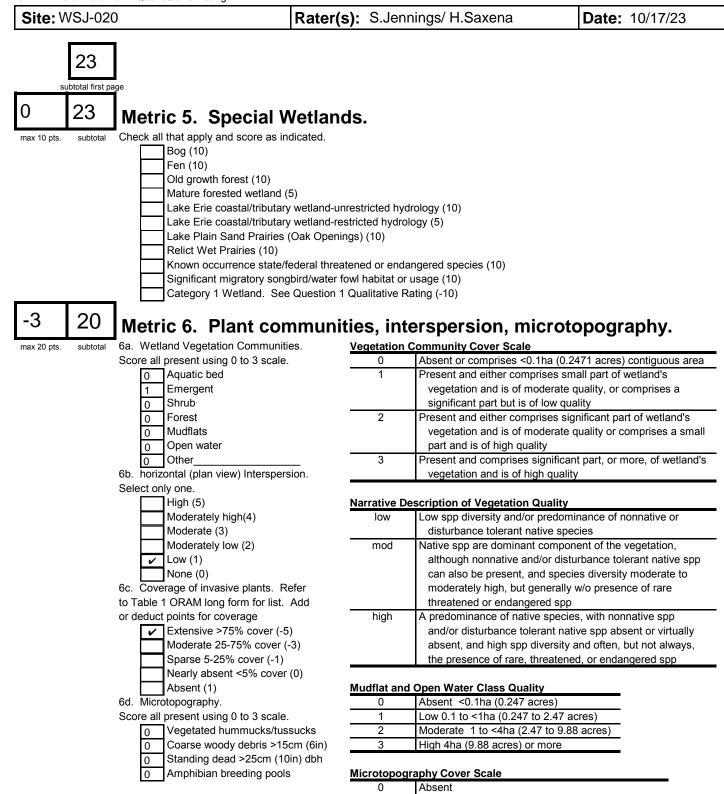


0		
1	Present very small amounts or if more common	
	of marginal quality	
2	Present in moderate amounts, but not of highest	
	quality or in small amounts of highest quality	
3	Present in moderate or greater amounts	
	and of highest quality	

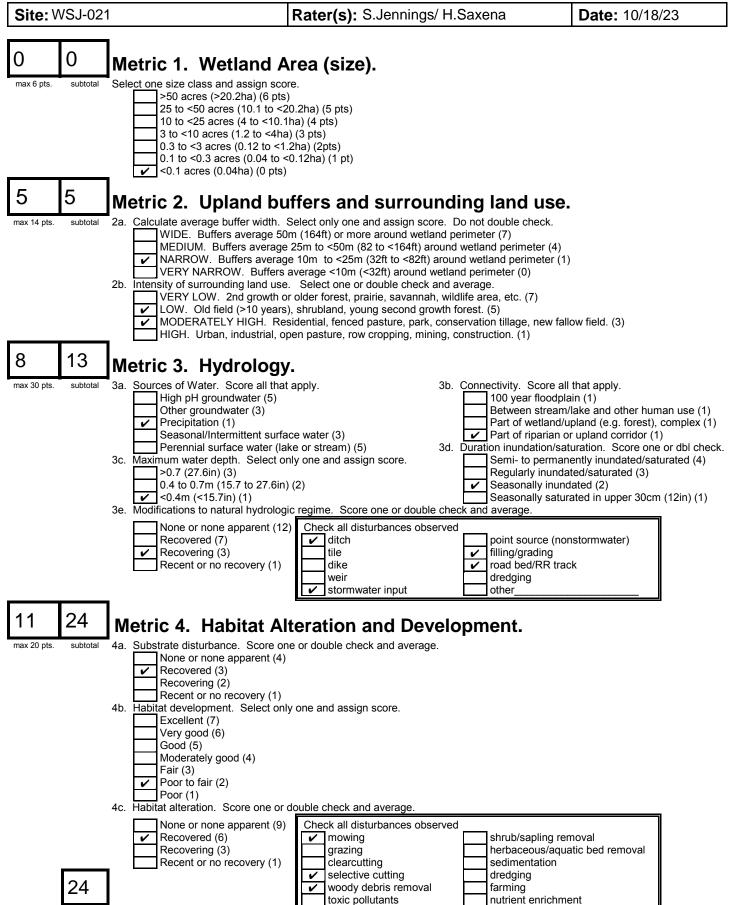
2





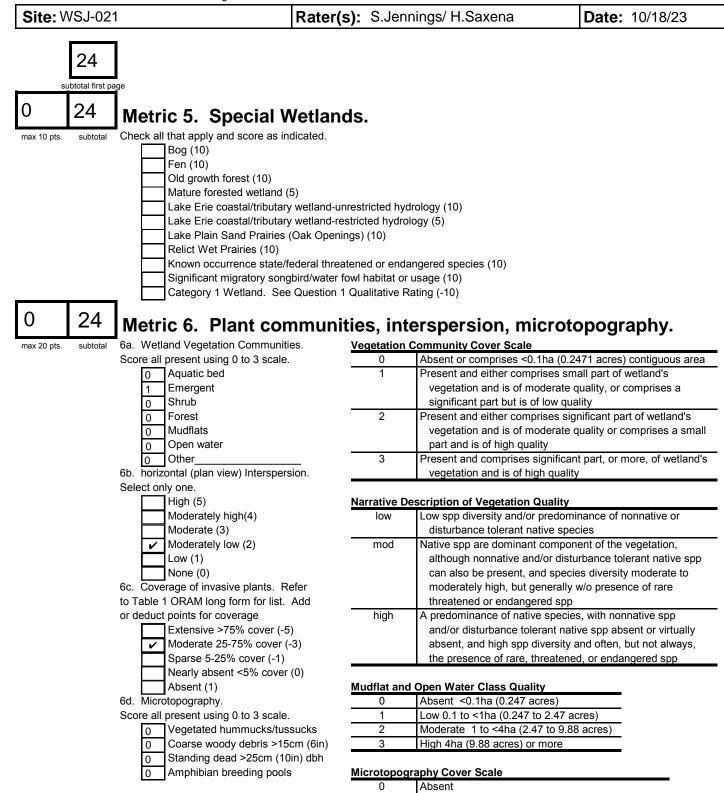


0	
1	Present very small amounts or if more common
	of marginal quality
2	Present in moderate amounts, but not of highest
	quality or in small amounts of highest quality
3	Present in moderate or greater amounts
	and of highest quality



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subtotal this page



0	Absent	
1	Present very small amounts or if more common	
	of marginal quality	
2	Present in moderate amounts, but not of highest	
	quality or in small amounts of highest quality	
3	Present in moderate or greater amounts	
	and of highest quality	



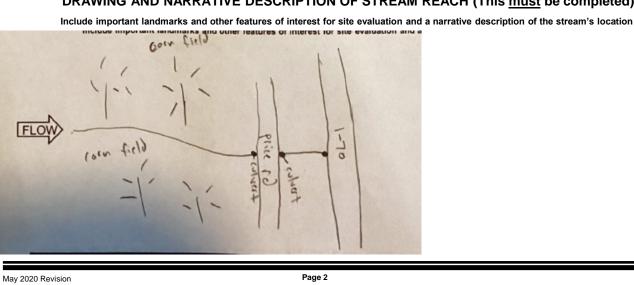
OEPA Primary Headwater Habitat Evaluation Forms

Ohio Environmental Protection Agency	Headwate	er Habitat Eva		x Field Form sum of metrics 1+2+3	₃₎ 61
SITE NUMBER SAC LENGTH OF STREA DATE <u>6-12-23</u>	M REACH (ft) 50 SCORER <u>AG</u>	reat Miami I LAT _39.836180°N COMMENTS	LONG <u>84.62066</u>	DRAINAGE AREA (mi 63°W RIVER MILE n Index Field Manual" for	=
STREAM CHANNE	L MODIFICATIONS:	NONE / NATURAL CHAN	NEL RECOVERED		OR NO RECOVERY
(Max of 32). TYPE BLDR SI BOULDE BEDROO GLOBELE GRAVEL GRAVEL GRAVEL BLdr Slabs Bo	PE _ABS [16 pts] ER (>256 mm)[16 pts] _CK [16 pts]	ant substrate types four RCENT TYPE Image: State of the state		ric score is sum of boxes A & <u>PERCENT</u> DEBRIS[3 pts] <u>5</u> s] <u>5</u>	B HHEI Metric Points Substrate Max = 40 21 A + B
SCORE OF TWO MO	ST PREDOMINATE SUBS	TRATE TYPES: 15		F SUBSTRATE TYPES:	Pool Depth
time of evalu > 30 centime > 22.5 - 30 ce > 10 - 22.5 ce COMMENTS	m [30 pts] m [25 pts]		5 cm - 10 cm [15 pts < 5 cm [5pts] NO WATER OR MOIS	-	$\frac{Max = 30}{25}$
3. BANK FULI → 4.0 meters → 3.0 m - 4.0	WIDTH (Measured as the (> 13') [30 pts] m (> 9' 7"- 13') [25 pts] m (> 4' 8" - 9' 7") [20 pts]			DNLY one box): 3″ - 4' 8″)[15 pts] s]	Bankfull Width Max=30
COMMENTS	S			KFULL WIDTH (meters)	
	PARIAN WIDTH (Per Bank) ide >10m	PLAIN QUALITY ★ NC FLOODPLAIM L R □□ Mature Fore:	<u>N QUALITY</u> (Most Predo st, Wetland	Right (R) as looking downstre ominant per Bank) L R DD Conservation Tilla	
	oderate 5-10m arrow <5m one MENTS		rest, Shrub or Old Field Park, New Field ure	Urban or Industria	ow Crop
Stream Subsu	N REGIME (At Time of Eva m Flowing urface flow with isolated poo MENTS	ls (interstitial)	Moist Channel Dry channel, n	, isolated pools, no flow (inter o water (ephemeral)	rmittent)
☐ None☑ 0.5	OSITY (Number of bends p	er 61 m (200 ft) of chan 1.0 1.5	nel) (Check ONLY one 2.0 2.5	e box): □ 3.0 □ >3	
STREAM G	Flat to Moderate	Moderate (2 ft/100 ft)	Moderate to	Severe Severe	(10 ft/100 ft)

ADDITIONAL STREAM INFORMATION (This Information Must Also be Completed):

QHEI PERFORMED? Yes IN QHEI Score (If Yes, Attach Completed QHEI form)
DOWNSTREAM DESIGNATED USE(S)
WWH Name: Goose Creek Distance from Evaluated Stream 0.5
CWH Name: Distance from Evaluated Stream
EWH Name: Distance from Evaluated Stream
MAPPING: ATTACH COPIES OF MAPS, INCLUDING THE ENTIRE WATERSHED AREA. CLEARLY MARK THE SITE LOCATION.
USGS Quadrangle Name: Lewisburg NRCS Soil Map Page: NRCS Soil Map Stream Order:
County: Preble Township/City: Monroe
MISCELLANEOUS
Base Flow Conditions? (Y/N): <u>N</u> Date of last precipitation: <u>6/12/23</u> Quantity: <u>~0.4</u>
Photo-documentation Notes: Y
Elevated Turbidity? (Y/N): <u>N</u> Canopy (% open): <u>100</u>
Were samples collected for water chemistry? (Y/N): <u>N</u> Lab Sample # or ID (attach results):
Field Measures: Temp (°C) N Dissolved Oxygen (mg/l) pH (S.U.) 7.53 Conductivity (umhos/cm)
Is the sampling reach representative of the stream (Y/N) Y If not, explain:
Additional comments/description of pollution impacts:
(Record all observations below)
Fish Observed? (Y/N) N Species observed (if known):
Frogs or Tadpoles Observed? (Y/N) N Species observed (if known):
Salamanders Observed? (Y/N) N Species observed (if known):
Aquatic Macroinvertebrates Observed? (Y/N) N Species observed (if known):
Comments Regarding Biology:

DRAWING AND NARRATIVE DESCRIPTION OF STREAM REACH (This must be completed)



Chio Environmental Protection Agency	Headwater Hat		on Index Field I Score (sum of m		58
SITE NAME/LOCATION SAG SITE NUMBER SAG-005 LENGTH OF STREAM REAC DATE 6/13/2023 SCOF NOTE: Complete All Items STREAM CHANNEL MODII	RIVER BASIN Great Miami H (ft) 100 LAT 39.8 RER AG/HS CO On This Form - Refer to	86167°N Lo MMENTS o "Headwater Habit	DNG 84.614666°W	RIVER MILE	tructions
	mm) [16 pts]	Atte types found (Max of TYPE SILT [3 LEAF P. FINE DE CLAY o MUCK [ARTIFIC	of 8). Final metric score is s pt] ACK/WOODY DEBRIS[3 p ETRITUS [3 pts] r HARDPAN [0 pt]	(B) (B) (B) (B) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C	HHEI Metric Points Substrate Max = 40 8 A + B
time of evaluation. Av > 30 centimeters [20 p > 22.5 - 30 cm [30 pts > 10 - 22.5 cm [25 pts COMMENTS 3. BANK FULL WIDTH > 4.0 meters (> 13') [30]]] (Measured as the average) pts]	culverts or storm water 5 cm 5 cm 5 cm 5 cm 6 5 cm 0 NO W/ 0 NO W/ 0 3 - 4 measurement	pipes) (Check ONLY o 10 cm [15 pts] [5pts] ATER OR MOIST CHANNE AXIMUM POOL DEPTH (c	ne box): EL [0pts] entimeters): 25 ox):	Pool Depth Max = 30 30 Bankfull Width
> 3.0 m - 4.0 m (> 9' 7 > 1.5 m - 3.0 m (> 4' 8 COMMENTS			n (≤ 3' 3") [5 pts] /ERAGE BANKFULL WID	TH (meters) 1.75	Max=30
L R (Per Bank Wide >10m Moderate 5 Narrow <5m None COMMENTS_ FLOW REGIM Subsurface flow COMMENTS_	NE AND FLOODPLAIN QU VIDTH .) L R -10m Image: Comparison of the second	information <u>must</u> also ALITY ★ NOTE: Rive <u>FLOODPLAIN QUALI</u> Mature Forest, Wetla Immature Forest, Shr Residential, Park, Ne Fenced Pasture (Check <i>ONLY</i> one box tial)	be completed er Left (L) and Right (R) as TY (Most Predominant per L R nd Ub or Old Field IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	looking downstream Bank) Conservation Tillage Urban or Industrial Open Pasture, Row Ci Mining or Construction	op
Flat (0.5 ft/100 ft)	at to Moderate Mode	erate (2 ft/100 ft)	Moderate to Severe	Severe (10 ft/	100 ft)

L

QHEI PERFORMED? Yes I No QHEI Score	(If Yes, Attach Completed QHEI form)
DOWNSTREAM DESIGNATED USE(S)	
WWH Name: Dry Fork	Distance from Evaluated Stream 0 ft
CWH Name:	
EWH Name:	
MAPPING: ATTACH COPIES OF MAPS, INCLUDING 1	THE ENTIRE WATERSHED AREA. CLEARLY MARK THE SITE LOCATION.
USGS Quadrangle Name:	_ NRCS Soil Map Page: NRCS Soil Map Stream Order:
County: Preble	Township/City: Monroe
MISCELLANEOUS	
Base Flow Conditions? (Y/N): <u>Y</u> Date of last precipita	tion: <u>6/13</u> Quantity: <u>~0.5</u> "
Photo-documentation Notes:	
Elevated Turbidity? (Y/N): N Canopy (% open): 7	<u>70</u>
Were samples collected for water chemistry? (Y/N): \underline{N}	Lab Sample # or ID (attach results):
Field Measures: Temp (°C) Dissolved Oxygen (mg.	/l) pH (S.U.) 8.1 Conductivity (umhos/cm)
Is the sampling reach representative of the stream (Y/N) \underline{V}	If not, explain:
Additional comments/description of pollution impacts:	
BIOLOGICA	L OBSERVATIONS
-	observations below)
Fish Observed? (Y/N) N Species observed (if known)	:
Frogs or Tadpoles Observed? (Y/N) N Species observ	ed (if known):
Solamondora Obsenved2 (V/N) N Species observed (if	known):
Aquatic Macroinvertebrates Observed? (Y/N) Specie	s observed (if known):
Comments Regarding Biology:	

DRAWING AND NARRATIVE DESCRIPTION OF STREAM REACH (This must be completed)

	viparian zone
FLOW	Grove Ripain
	sport Ripanan zone
	Agricultural Aera

Headwater Habitat Evaluation Index Field Form HHEI Score (sum of metrics 1+2+3)	59
SITE NAME/LOCATION SAG-008 UNT to Bantas Fork SITE NUMBER SAG-008 RIVER BASIN Great Miami RIVER CODE DRAINAGE AREA (mi²) LENGTH OF STREAM REACH (ft) 100 LAT 39.828020°N LONG 84.678029°W RIVER MILE DATE 6/14/2023 SCORER HS/AG COMMENTS	
NOTE: Complete All Items On This Form - Refer to "Headwater Habitat Evaluation Index Field Manual" for Ir	
1. SUBSTRATE (Estimate percent of every type present). Check ONLY two predominant substrate TYPE boxes. (Max of 32). Add total number of significant substrate types found (Max of 8). Final metric score is sum of boxes A & B TYPE BLDR SLABS [16 pts] PERCENT TYPE PERCENT BLDR SLABS [16 pts] BEDROCK [16 pts] Image: state type	HHEI Metric Points Substrate Max = 40 19 A + B
SCORE OF TWO MOST PREDOMINATE SUBSTRATE TYPES: 15 TOTAL NUMBER OF SUBSTRATE TYPES: 4 2. Maximum Pool Depth (Measure the maximum pool depth within the 61 meter (200 feet) evaluation reach at the time of evaluation. Avoid plunge pools from road culverts or storm water pipes) (Check ONLY one box): 5 cm - 10 cm [15 pts] 5 cm - 10 cm [15 pts] 5 cm [5pts] 2. > 30 centimeters [20 pts] 5 cm [5pts] NO WATER OR MOIST CHANNEL [0pts] 30 3.0 COMMENTS MAXIMUM POOL DEPTH (centimeters): 30	Pool Depth Max = 30
3. BANK FULL WIDTH (Measured as the average of 3 - 4 measurements) (Check ONLY one box): \bigcirc > 4.0 meters (> 13') [30 pts] \bigcirc > 3.0 m - 4.0 m (> 9' 7" - 13') [25 pts] \checkmark > 1.0 m - 1.5 m (> 3' 3" - 4' 8") [15 pts] \checkmark > 1.5 m - 3.0 m (> 4' 8" - 9' 7") [20 pts] \checkmark AVERAGE BANKFULL WIDTH (meters) 2	Bankfull Width Max=30
This information must also be completed RIPARIAN ZONE AND FLOODPLAIN QUALITY * NOTE: River Left (L) and Right (R) as looking downstream	
RIPARIAN WIDTH (Per Bank) FLOODPLAIN QUALITY (Most Predominant per Bank) L R L R Wide >10m Mature Forest, Wetland Moderate 5-10m Immature Forest, Shrub or Old Field Narrow <5m	Сгор
COMMENTS	itent)
None 1.0 2.0 3.0 ∅ 0.5 1.5 2.5 >3 STREAM GRADIENT ESTIMATE № Flat (0.5 ft/100 ft) Flat to Moderate Moderate (2 ft/100 ft) Moderate to Severe Severe (100 ft)	ft/100 ft)

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QHEI PERFORMED? Yes Vo QHEI Score	(If Yes, Attach Completed QHEI form)
DOWNSTREAM DESIGNATED USE(S)	
WWH Name:	Distance from Evaluated Stream
CWH Name:	
EWH Name: Bantas Fork	Distance from Evaluated Stream 0 ft
MAPPING: ATTACH COPIES OF MAPS, INCLUDING	THE ENTIRE WATERSHED AREA. CLEARLY MARK THE SITE LOCATION.
USGS Quadrangle Name: Eaton North	NRCS Soil Map Page: NRCS Soil Map Stream Order:
County: Preble	Township/City: Monroe
MISCELLANEOUS	
Base Flow Conditions? (Y/N): Date of last precipita	ation: <u>6/12</u> Quantity: <u>0.4</u>
Photo-documentation Notes:	
ElevatedTurbidity?(Y/N): Canopy (% open): _	
Were samples collected for water chemistry? (Y/N):	Lab Sample # or ID (attach results):
Field Measures: Temp (°C) Dissolved Oxygen (mg	/l) pH (S.U.) 7.6 Conductivity (umhos/cm)
Is the sampling reach representative of the stream (Y/N)	If not, explain:
Additional comments/description of pollution impacts:	
(Record all	L OBSERVATIONS observations below)
Fish Observed? (Y/N) N Species observed (if known):
Frogs or Tadpoles Observed? (Y/N) N Species observ	red (if known):
Salamanders Observed? (Y/N) N Species observed (if	known):
Aquatic Macroinvertebrates Observed? (Y/N) N Specie	es observed (if known):
Comments Regarding Biology:	

DRAWING AND NARRATIVE DESCRIPTION OF STREAM REACH (This must be completed)

ILEVA	Soybean field))
(FLOW)	From
	Soy bean field

Headwater Habitat Evaluation Index Field Form HHEI Score (sum of metrics 1+2	₊₃₎ 63
SITE NAME/LOCATION SAG-010 UNT to Sevemile Creek SITE NUMBER SAG-010 RIVER BASIN Great Miami RIVER CODE DRAINAGE AREA (III) LENGTH OF STREAM REACH (ft) 50 LAT 39.833191°N LONG 84.720357°W RIVER MI DATE 6/14/2023 SCORER HS/AG COMMENTS	for Instructions
STREAM CHANNEL MODIFICATIONS: NONE / NATURAL CHANNEL RECOVERED RECOVERING RECE	NT OR NO RECOVERY
1. SUBSTRATE (Estimate percent of every type present). Check ONLY two predominant substrate TYPE boxes. (Max of 32). Add total number of significant substrate types found (Max of 8). Final metric score is sum of boxes A YPE PERCENT TYPE BLDR SLABS [16 pts] SILT [3 pt] 10 BOULDER (>256 mm)[16 pts] FINE DETRITUS [3 pts] 20 COBBLE (65-256 mm)[12 pts] 10 CLAY or HARDPAN [0 pt] 20 GRAVEL (2-64 mm) [9 pts] 10 MUCK [0 pts] Yotal of Percentages of ARTIFICIAL [3 pts]	
Bldr Slabs, Boulder, Cobble, Bedrock 0 (A) SCORE OF TWO MOST PREDOMINATE SUBSTRATE TYPES: 9 TOTAL NUMBER OF SUBSTRATE TYPES: 9	4 ^{A + B}
2. Maximum Pool Depth (Measure the maximum pool depth within the 61 meter (200 feet) evaluation reach at t time of evaluation. Avoid plunge pools from road culverts or storm water pipes) (Check ONLY one box): > 30 centimeters [20 pts] 5 cm - 10 cm [15 pts] > 22.5 - 30 cm [30 pts] 5 cm [5pts] > 10 - 22.5 cm [25 pts] NO WATER OR MOIST CHANNEL [0pts]	Max = 30
COMMENTS MAXIMUM POOL DEPTH (centimeters):	
3. BANK FULL WIDTH (Measured as the average of 3 - 4 measurements) (Check ONLY one box): > 4.0 meters (> 13') [30 pts] > 1.0 m - 1.5 m (> 3' 3" - 4' 8")[15 pts] > 3.0 m - 4.0 m (> 9' 7" - 13') [25 pts] > 1.0 m (≤ 3' 3") [5 pts] > 1.5 m - 3.0 m (> 4' 8" - 9' 7") [20 pts] ≤ 1.0 m (≤ 3' 3") [5 pts]	Bankfull Width Max=30
COMMENTS AVERAGE BANKFULL WIDTH (meters)	1.75
This information <u>must</u> also be completed RIPARIAN ZONE AND FLOODPLAIN QUALITY	tream 🛨
RIPARIAN WIDTH (Per Bank) FLOODPLAIN QUALITY (Most Predominant per Bank) L R L R Wide >10m Mature Forest, Wetland Moderate 5-10m Immature Forest, Shrub or Old Field Narrow <5m	⁻illage trial Row Crop
COMMENTS	termittent)
SINUOSITY (Number of bends per 61 m (200 ft) of channel) (Check ONLY one box): None 1.0 2.0 3.0 ✓ 0.5 1.5 2.5 >3	
STREAM GRADIENT ESTIMATE Image: Flat (0.5 ft/100 ft) Image: Flat (0.5 ft/100 ft)	ere (10 ft/100 ft)

May 2020 Revision

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QHEIPERFORMED? LIYes LINO QHEIS	core (If Yes, Attach Completed QHEI form)
DOWNSTREAM DESIGNATED USE(S)	
	Distance from Evaluated Stream 0.5 mi
CWH Name:	
EWH Name:	Distance from Evaluated Stream
MAPPING: ATTACH COPIES OF MAPS, INCLUD	ING THE <u>ENTIRE</u> WATERSHED AREA. CLEARLY MARK THE SITE LOCATION.
USGS Quadrangle Name: Eaton North	NRCS Soil Map Page: NRCS Soil Map Stream Order:
County: Preble	Township/City: Jefferson
MISCELLANEOUS	
Base Flow Conditions? (Y/N): <u>Y</u> Date of last pred	cipitation: <u>6-13-23</u> Quantity: <u>0.2</u>
Photo-documentation Notes:	
ElevatedTurbidity?(Y/N): n Canopy (% open	n): <u>100</u>
Were samples collected for water chemistry? (Y/N): \underline{n}	Lab Sample # or ID (attach results):
Field Measures: Temp (°C) Dissolved Oxygen	(mg/l) pH (S.U.) 7.25 Conductivity (umhos/cm)
Is the sampling reach representative of the stream (Y/N)) If not, explain:
Additional comments/description of pollution impacts:	
	GICAL OBSERVATIONS rd all observations below)
, i i i i i i i i i i i i i i i i i i i	nown):
	oserved (if known):
Salamanders Observed? (Y/N) N Species observe	ed (if known):
Aquatic Macroinvertebrates Observed? (Y/N) N Sp	pecies observed (if known):
Comments Regarding Biology:	

444	culvert Covn field	
Le centre	6 frow	
	I-70 highway	

Headwater Habitat Evaluation Index Field Form HHEI Score (sum of metrics 1+2+3)	23
SITE NAME/LOCATION SAG-011 UNT to Elkhorn Creek SITE NUMBER SAG-011 RIVER BASIN Great Miami RIVER CODE DRAINAGE AREA (mi²) <0.1	uctions
1. SUBSTRATE (Estimate percent of every type present). Check ONLY two predominant substrate TYPE boxes. (Max of 32). Add total number of significant substrate types found (Max of 8). Final metric score is sum of boxes A & B TYPE PERCENT TYPE BLDR SLABS [16 pts] PERCENT 20 BOULDER (>256 mm)[16 pts] BEDROCK [16 pts] LEAF PACK/WOODY DEBRIS[3 pts] 20 BEDROCK [16 pts] GRAVEL (2-64 mm) [9 pts] 30 CLAY or HARDPAN [0 pt] HUCK [0 pts] HUCK [0 pts] Total of Percentages of BIdr Slabs, Boulder, Cobble, Bedrock (A) 15 TOTAL NUMBER OF SUBSTRATE TYPES: 3	HHEI Metric Points Substrate Max = 40 18 A + B
 Maximum Pool Depth (Measure the maximum pool depth within the 61 meter (200 feet) evaluation reach at the time of evaluation. Avoid plunge pools from road culverts or storm water pipes) (Check ONLY one box): > 30 centimeters [20 pts] > 22.5 - 30 cm [30 pts] > 10 - 22.5 cm [25 pts] X O WATER OR MOIST CHANNEL [0pts] COMMENTS 	Pool Depth Max = 30
3. BANK FULL WIDTH (Measured as the average of 3 - 4 measurements) (Check ONLY one box): \bigcirc > 4.0 meters (> 13') [30 pts] \bigcirc > 1.0 m - 1.5 m (> 3' 3" - 4' 8")[15 pts] \bigcirc > 1.5 m - 3.0 m (> 4' 8" - 9' 7") [20 pts] AVERAGE BANKFULL WIDTH (meters) 5	Bankfull Width Max=30
This information <u>must</u> also be completed RIPARIAN ZONE AND FLOODPLAIN QUALITY * NOTE: River Left (L) and Right (R) as looking downstream * RIPARIAN WIDTH FLOODPLAIN QUALITY (Most Predominant per Bank) L R L R Wide >10m Immature Forest, Wetland Immature Forest, Shrub or Old Field Immature Forest, Shrub or Old Field Immature, Residential, Park, New Field Immature, Residential, Park, New Field Immature, Row Crow None Residential, Park, New Field Immature, Row Crow Immature, Row Crow Immature, Row Crow COMMENTS FLOW REGIME (At Time of Evaluation) (Check ONLY one box): Immature forest, isolated pools, no flow (intermitten Dry channel, isolated pools, no flow (intermitten Dry channel, no water (ephemeral) COMMENTS Immature forest isolated pools Immature (chemeral) Immature forest, Solated pools, no flow (intermitten Dry channel, no water (ephemeral) COMMENTS Immature for the function of the function	- -
Image: Structure Structur	00 ft)

May 2020 Revision

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	Score (If Yes, Attach	Completed QHEI form)	
DOWNSTREAM DESIGNATED USE(S)			0 50 mi
		tance from Evaluated Stream	
		tance from Evaluated Stream _	
EWH Name:	Dis		
MAPPING: ATTACH COPIES OF MAPS, INCLUD	DING THE <u>ENTIRE</u> WATERSHED AREA	A. CLEARLY MARK THE SITE LOC	ATION.
USGS Quadrangle Name: New Paris	NRCS Soil Map Page:	NRCS Soil Map Stream	Order:
County: Preble	Township/City: Jackson		
MISCELLANEOUS			
Base Flow Conditions? (Y/N): <u>Y</u> Date of last pre	ecipitation: <u>6-13-23</u>	Quantity: 0.25"	
Photo-documentation Notes:			
ElevatedTurbidity?(Y/N): <u>n</u> Canopy (% ope	en): <u>60</u>		
Were samples collected for water chemistry? (Y/N): <u>n</u>	Lab Sample # or ID (att	ach results):	
Field Measures: Temp (°C) Dissolved Oxygen	n (mg/l) pH (S.U.)	Conductivity (umhos/cr	n)
Is the sampling reach representative of the stream (Y/N) <u> </u>		
Additional comments/description of pollution impacts:			
	GICAL OBSERVATIONS		
Fish Observed? (Y/N) N Species observed (if kr			
Frogs or Tadpoles Observed? (Y/N) N Species of			
Salamanders Observed? (Y/N) N Species observed	· · · ·		
Aquatic Macroinvertebrates Observed? (Y/N) NS			
Comments Regarding Biology:			
Commente regularing Diology.			

Incl	lude important landmarks	ssod who comyby	
	4		culvert
FLOW	ulver	\rightarrow	19.8
Г	1 20 -	bish mud	
F	-1		

Ohio Env Protectio	hion Agency Headwate	er Habitat Eva	luation Index Fi HHEI Score (sum o		33
SITE NI LENGT DATE	AME/LOCATION SAG-012 UNT to Elki UMBER <u>SAG-012</u> RIVER BASIN W H OF STREAM REACH (ft) 6-15-23 SCORER <u>HS/AG</u>	hitewater R LAT_39.826152°N COMMENTS	LONG <u>84.759170°W</u>	RIVER MILE	
	Complete All Items On This Form				
	BLDR SLABS [16 pts] BOULDER (>256 mm)[16 pts] BEDROCK [16 pts] COBBLE (65-256 mm)[12 pts]	ant substrate types found RCENT TYPE Image: State of the state		re is sum of boxes A & B PERCENT 30	HHEI Metric Points Substrate Max = 40 13 A + B
2.	OF TWO MOST PREDOMINATE SUBS Maximum Pool Depth (<i>Measure the <u>n</u></i> time of evaluation. Avoid plunge pools f > 30 centimeters [20 pts]	TRATE TYPES: 9		STRATE TYPES: 4	Pool Depth Max = 30
	> 22.5 - 30 cm [30 pts] > 10 - 22.5 cm [25 pts] COMMENTS		< 5 cm [5pts] NO WATER OR MOIST CH/ MAXIMUM POOL DEP	10	15
	BANK FULL WIDTH (Measured as the > 4.0 meters (> 13') [30 pts] > 3.0 m - 4.0 m (> 9' 7"- 13') [25 pts] > 1.5 m - 3.0 m (> 4' 8" - 9' 7") [20 pts]	average of 3 - 4 measu	rements) (Check ONLY o > 1.0 m - 1.5 m (> 3' 3" - 4' 8 ≤ 1.0 m (≤ 3' 3") [5 pts]		Bankfull Width Max=30
	COMMENTS		AVERAGE BANKFULL	WIDTH (meters) 0.5	5
	RIPARIAN ZONE AND FLOOD		ust also be completed FE: River Left (L) and Right (I	R) as looking downstream 🖈	
	L R (Per Bank) □ □ Wide >10m □ □ Moderate 5-10m ☑ ☑ Narrow <5m	FLOODPLAIN L R Image: Second state of the second sta	QUALITY (Most Predominan L R , Wetland est, Shrub or Old Field	t per Bank)	гор
	COMMENTS	ls (interstitial)	Moist Channel, isolat	ed pools, no flow (intermitte r (ephemeral)	
FIZ FIZ	None Image: Constraint of the second sec	1.0 1.5	2.0 2.5 Moderate to Severe	□ 3.0 □ >3 e □ Severe (10 tt/	100 ft)

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QHEI PERFORMED? Yes Vo QHEI Score	(If Yes, Attach Completed QHEI form)			
DOWNSTREAM DESIGNATED USE(S)				
WWH Name: Elkhorn Creek	Distance from Evaluated Stream 0.25 mi			
CWH Name:				
EWH Name:	Distance from Evaluated Stream			
MAPPING: ATTACH COPIES OF MAPS, INCLUDING THE ENTIRE	WATERSHED AREA. CLEARLY MARK THE SITE LOCATION.			
USGS Quadrangle Name: <u>New Paris</u> NRCS S	Soil Map Page: NRCS Soil Map Stream Order:			
County: Preble Township	/City: Jackson			
MISCELLANEOUS				
Base Flow Conditions? (Y/N): <u>V</u> Date of last precipitation: <u>6-13</u>	3-23 Quantity: 0.2"			
Photo-documentation Notes:				
ElevatedTurbidity?(Y/N): <u>n</u> Canopy (% open): <u>10</u>	_			
Were samples collected for water chemistry? (Y/N): <u>n</u> Lab	Sample # or ID (attach results):			
Field Measures: Temp (°C) Dissolved Oxygen (mg/l)	pH (S.U.) Conductivity (umhos/cm)			
Is the sampling reach representative of the stream (Y/N) If not,	explain:			
Additional comments/description of pollution impacts:				
BIOLOGICAL OBSERVATIONS (Record all observations below)				
Fish Observed? (Y/N) N Species observed (if known):				
Frogs or Tadpoles Observed? (Y/N) N Species observed (if known):				
Salamanders Observed? (Y/N) N Species observed (if known):				
Aquatic Macroinvertebrates Observed? (Y/N) N Species observed	d (if known):			
Comments Regarding Biology:				

DRAWING AND NARRATIVE DESCRIPTION OF STREAM REACH (This must be completed)

forest	
1	E Flow
/ /	
/	Parking lot

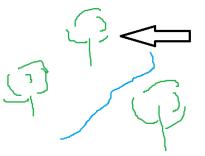
Headwater Habitat Evaluation Index Field Form HHEI Score (sum of metrics 1+2+3)	42
SITE NAME/LOCATION SAG-013 SITE NUMBER SAG-013 RIVER BASIN Whitewater RIVER CODE DRAINAGE AREA (mi²) LENGTH OF STREAM REACH (ft) 50 LAT 39.818321 LONG -84.798930 RIVER MILE DATE 10/17/23 SCORER A. Glenn COMMENTS	nstructions
1. SUBSTRATE (Estimate percent of every type present). Check ONLY two predominant substrate TYPE boxes. (Max of 32). Add total number of significant substrate types found (Max of 8). Final metric score is sum of boxes A & B Image: type intermediate type intermediate types found (Max of 8). Final metric score is sum of boxes A & B Image: type intermediate type intermediate types found (Max of 8). Final metric score is sum of boxes A & B Image: type intermediate type intermediate types found (Max of 8). Final metric score is sum of boxes A & B Image: type intermediate type intermediate types found (Max of 8). Final metric score is sum of boxes A & B Image: type intermediate type intermediate types found (Max of 8). Final metric score is sum of boxes A & B Image: type intermediate type intermediate types intermediate types found (Max of 8). Final metric score is sum of boxes A & B Image: type intermediate type intermediate types inter	HHEI Metric Points Substrate Max = 40 27 A + B
2. Maximum Pool Depth (Measure the maximum pool depth within the 61 meter (200 feet) evaluation reach at the time of evaluation. Avoid plunge pools from road culverts or storm water pipes) (Check ONL Y one box): □ > 30 centimeters [20 pts] □ 5 cm - 10 cm [15 pts] □ > 22.5 - 30 cm [30 pts] □ 5 cm [5pts] □ > 10 - 22.5 cm [25 pts] ☑ NO WATER OR MOIST CHANNEL [0pts] COMMENTS	Pool Depth Max = 30
3. BANK FULL WIDTH (Measured as the average of 3 - 4 measurements) (Check ONLY one box): □ > 4.0 meters (> 13') [30 pts] □ > 3.0 m - 4.0 m (> 9' 7" - 13') [25 pts] □ > 1.5 m - 3.0 m (> 4' 8" - 9' 7") [20 pts] COMMENTS	Bankfull Width Max=30
This information must also be completed RIPARIAN ZONE AND FLOODPLAIN QUALITY ★ NOTE: River Left (L) and Right (R) as looking downstrea RIPARIAN WIDTH FLOODPLAIN QUALITY (Most Predominant per Bank) L R (Per Bank) L R L R Wide >10m Mature Forest, Wetland Conservation Tillage	
Image: Comparison of the comparison	/ Crop
FLOW REGIME (At Time of Evaluation) (Check ONLY one box): Stream Flowing Moist Channel, isolated pools, no flow (interm Dry channel, no water (ephemeral)) COMMENTS Dry channel, no water (ephemeral) SINUOSITY (Number of bends per 61 m (200 ft) of channel) (Check ONLY one box): None 1.0 2.0 3.0 0.5 1.5 2.5 >3	iittent)
✓ 0.5 1.5 2.5 >3 STREAM GRADIENT ESTIMATE □ Flat (0.5 ft/100 ft) ✓ Flat to Moderate □ Moderate (2 ft/100 ft) □ Moderate to Severe □ Severe (1	0 ft/100 ft)

May 2020 Revision

QHEI PERFORMED? Yes V No QHEI Score	(If Yes, Attach Completed QHEI form)			
DOWNSTREAM DESIGNATED USE(S)	Distance from Evaluated Stream 0.5 mi			
CWH Name:	Distance from Evaluated Stream			
EWH Name:	Distance from Evaluated Stream			
USGS Quadrangle Name: New Paris	E <u>ENTIRE</u> WATERSHED AREA. CLEARLY MARK THE SITE LOCATION. NRCS Soil Map Page: NRCS Soil Map Stream Order: - _{ownship/City:} _Jackson			
MISCELLANEOUS Base Flow Conditions? (Y/N): <u>y</u> Date of last precipitation	on: <u>10/14/23</u> Quantity: <u>0.20</u>			
Photo-documentation Notes:				
ElevatedTurbidity?(Y/N): n Canopy (% open): 0				
Were samples collected for water chemistry? (Y/N):	Lab Sample # or ID (attach results):			
Field Measures: Temp (°C) Dissolved Oxygen (mg/l)	pH (S.U.) Conductivity (umhos/cm)			
Is the sampling reach representative of the stream (Y/N) \underline{y}	_ If not, explain:			
Additional comments/description of pollution impacts:				
	OBSERVATIONS pervations below)			
Fish Observed? (Y/N) Species observed (if known):				
Frogs or Tadpoles Observed? (Y/N) <u>n</u> Species observed (if known):				
Salamanders Observed? (Y/N) Species observed (if known):				
Aquatic Macroinvertebrates Observed? (Y/N) Species observed (if known):				
Comments Regarding Biology:				
<u> </u>				

DRAWING AND NARRATIVE DESCRIPTION OF STREAM REACH (This must be completed)





Headwater Habitat Evaluation Index Field Form HHEI Score (sum of metrics 1+2+3)	4
SITE NAME/LOCATION SSJ-001 UNT 1 to Dry Run SITE NUMBER SSJ-001 RIVER BASIN Lower Great Miami, Indiana, Ohio RIVER CODE DRAINAGE AREA (mi ²) 0.18 LENGTH OF STREAM REACH (ft) 200 LAT 39.87824 LONG -84.61470 RIVER MILE DATE 6/12/2023 SCORER SJ COMMENTS NOTE: Complete All Items On This Form - Refer to "Headwater Habitat Evaluation Index Field Manual" for Instru STREAM CHANNEL MODIFICATIONS: NONE / NATURAL CHANNEL RECOVERED RECOVERING RECENT OR NO	uctions
BLDR SLABS [16 pts]	HHEI Metric Points Substrate Max = 40 14 A + B
2. Maximum Pool Depth (Measure the maximum pool depth within the 61 meter (200 feet) evaluation reach at the time of evaluation. Avoid plunge pools from road culverts or storm water pipes) (Check ONLY one box): □ □ > 30 centimeters [20 pts] □ 5 cm - 10 cm [15 pts] □ □ > 22.5 - 30 cm [30 pts] □ <5 cm [5pts]	Pool Depth Max = 30
3. BANK FULL WIDTH (Measured as the average of 3 - 4 measurements) (Check ONLY one box): □ > 4.0 meters (> 13') [30 pts] □ > 3.0 m - 4.0 m (> 9' 7"- 13') [25 pts] □ > 1.5 m - 3.0 m (> 4' 8" - 9' 7") [20 pts] COMMENTS	Bankfull Width Max=30 15
This information must also be completed	
RIPARIAN ZONE AND FLOODPLAIN QUALITY * NOTE: River Left (L) and Right (R) as looking downstream * RIPARIAN WIDTH FLOODPLAIN QUALITY (Most Predominant per Bank) L R (Per Bank) L R Wide >10m Mature Forest, Wetland Conservation Tillage Moderate 5-10m Immature Forest, Shrub or Old Field Urban or Industrial Narrow <5m	D
COMMENTS)
SINUOSITY (Number of bends per 61 m (200 ft) of channel) (Check ONLY one box): None 1.0 2.0 3.0 ✓ 0.5 1.5 2.5 >3	
STREAM GRADIENT ESTIMATE	Oft)

QHEI PERFORMED? Yes Vo QHEI Score (If Yes, Attach Completed QHEI form)
DOWNSTREAM DESIGNATED USE(S)
WWH Name: Dry Run Distance from Evaluated Stream 0.28
CWH Name: Distance from Evaluated Stream
EWH Name: Distance from Evaluated Stream
MAPPING: ATTACH COPIES OF MAPS, INCLUDING THE ENTIRE WATERSHED AREA. CLEARLY MARK THE SITE LOCATION.
USGS Quadrangle Name: Arcanum NRCS Soil Map Page: NRCS Soil Map Stream Order:
County: Preble Township/City: Monroe
MISCELLANEOUS
Base Flow Conditions? (Y/N): <u>N</u> Date of last precipitation: <u>6/12/2023</u> Quantity: <u>~0.4</u>
Photo-documentation Notes: Y
ElevatedTurbidity?(Y/N): N Canopy (% open): 100
Were samples collected for water chemistry? (Y/N): N Lab Sample # or ID (attach results):
Field Measures: Temp (°C) N Dissolved Oxygen (mg/l) pH (S.U.) 7.85 Conductivity (umhos/cm)
Is the sampling reach representative of the stream (Y/N) Y If not, explain:
Additional comments/description of pollution impacts: Receives Ag Field run-off
BIOLOGICAL OBSERVATIONS
(Record all observations below)
Fish Observed? (Y/N) N Species observed (if known):
Frogs or Tadpoles Observed? (Y/N) N Species observed (if known):
Salamanders Observed? (Y/N) N Species observed (if known):
Aquatic Macroinvertebrates Observed? (Y/N) N Species observed (if known):
Comments Regarding Biology:

DRAWING AND NARRATIVE DESCRIPTION OF STREAM REACH (This must be completed)

55J-001 Ag Field field To Dry Run Fully Hypertaited Wellant FLOW UNT to Dry Run Hensel Ayfield m.

Headwater Habitat Evaluation Index Field Form HHEI Score (sum of metrics 1+2+3) 57					
SITE NAME/LOCATION SSJ-002 UNT 2 to Dry Run SITE NUMBER SSJ-002 RIVER BASIN Lower Great Miami, Indiana, Ohio RIVER CODE DRAINAGE AREA (mi²) LENGTH OF STREAM REACH (ft) 200 LAT 39.88517 LONG -84.61526 RIVER MILE DATE 6/12/20223 SCORER SJ COMMENTS	structions				
1. SUBSTRATE (Estimate percent of every type present). Check ONLY two predominant substrate TYPE boxes. (Max of 32). Add total number of significant substrate types found (Max of 8). Final metric score is sum of boxes A & B Image: triangle triangl	HHEI Metric Points Substrate Max = 40 12 A + B				
2. Maximum Pool Depth (Measure the maximum pool depth within the 61 meter (200 feet) evaluation reach at the time of evaluation. Avoid plunge pools from road culverts or storm water pipes) (Check ONLY one box): > 30 centimeters [20 pts] 5 cm - 10 cm [15 pts] > 22.5 - 30 cm [30 pts] 5 cm - 5 cm [5pts] > 10 - 22.5 cm [25 pts] NO WATER OR MOIST CHANNEL [0pts] 22.8 COMMENTS BANK FULL WIDTH (Measured as the average of 3 - 4 measurements) (Check ONLY one box): > 4.0 meters (> 13') [30 pts] 22.8 > 3.0 m - 4.0 m (> 9' 7" - 13') [25 pts] > 1.0 m - 1.5 m (> 3' 3" - 4' 8") [15 pts]	Pool Depth Max = 30 30 Bankfull Width Max=30				
	15				
This information <u>must</u> also be completed RIPARIAN ZONE AND FLOODPLAIN QUALITY	L				
RIPARIAN WIDTH (Per Bank) FLOODPLAIN QUALITY (Most Predominant per Bank) L R L R Wide >10m Mature Forest, Wetland Moderate 5-10m Immature Forest, Shrub or Old Field Narrow <5m	Crop				
COMMENTS FLOW REGIME (At Time of Evaluation) (Check ONLY one box): Stream Flowing Moist Channel, isolated pools, no flow (intermitt Subsurface flow with isolated pools (interstitial) Dry channel, no water (ephemeral) COMMENTS SINUOSITY (Number of bends per 61 m (200 ft) of channel) (Check ONLY one box):	ent)				
None 1.0 2.0 2.0 3.0 0.5 1.5 2.5 3 STREAM GRADIENT ESTIMATE Flat (0.5 ft/100 ft) Flat to Moderate Moderate (2 ft/100 ft) Moderate to Severe Severe (10 ft)	/100 ft)				

QHEI PERFORMED? Yes Vo QHEI Score (If Yes, Attach Completed QHEI form)			
DOWNSTREAM DESIGNATED USE(S)			
WWH Name: Dry Run Distance from Evaluated Stream 0.06 mi			
CWH Name: Distance from Evaluated Stream			
EWH Name: Distance from Evaluated Stream			
MAPPING: ATTACH COPIES OF MAPS, INCLUDING THE ENTIRE WATERSHED AREA. CLEARLY MARK THE SITE LOCATION.			
USGS Quadrangle Name: Arcanum NRCS Soil Map Page: NRCS Soil Map Stream Order:			
County: Preble Township/City: Monroe			
MISCELLANEOUS			
Base Flow Conditions? (Y/N): <u>N</u> Date of last precipitation: <u>6/12/2023</u> Quantity: <u>~0.4</u>			
Photo-documentation Notes: Y			
ElevatedTurbidity?(Y/N): N Canopy (% open): 100			
Were samples collected for water chemistry? (Y/N): <u>N</u> Lab Sample # or ID (attach results):			
Field Measures: Temp (°C) N Dissolved Oxygen (mg/l) N pH (S.U.) 7.95 Conductivity (umhos/cm) N			
Is the sampling reach representative of the stream (Y/N) Y If not, explain:			
Additional comments/description of pollution impacts: Receives agricultural drainage			
BIOLOGICAL OBSERVATIONS (Record all observations below)			
Fish Observed? (Y/N) N Species observed (if known):			
Frogs or Tadpoles Observed? (Y/N) N Species observed (if known):			
Salamanders Observed? (Y/N) N Species observed (if known):			
Aquatic Macroinvertebrates Observed? (Y/N) N Species observed (if known):			
Comments Regarding Biology:			

DRAWING AND NARRATIVE DESCRIPTION OF STREAM REACH (This must be completed)

Include important landmarks and other features of interest for site evaluation and a narrative description of the stream's location

Emerger 55-002 marroyal Area FL(Dry Ru 40 Unit

Page 2

Headwater Habitat Evaluation Index Field Form HHEI Score (sum of metrics 1+2+3) 25					
SITE NI LENGT DATE _ NOTE: (H OF STREAM REACH (ft) <u>200</u> 6/15/20223 SCORER SJ Complete All Items On This Fo	Elkhorn Creek IN Lower Great Miami, Indiana, Ohio RIVER CODE DRAINAGE AREA (mi ²) 0.08LAT 39.8012 LONG -84.8065 RIVER MILE COMMENTS ephemeral form - Refer to "Headwater Habitat Evaluation Index Field Manual" for Instruct Field Manual CHANNEL RECOVERED RECOVERING RECENT OR NO R	ctions		
	(Max of 32). Add total number of sig	PERCENT TYPE PERCENT Image: Description of the state of the stat	HHEI Metric Points Substrate Max = 40 10 A + B		
	time of evaluation. Avoid plunge po > 30 centimeters [20 pts] > 22.5 - 30 cm [30 pts] > 10 - 22.5 cm [25 pts] COMMENTS Dry stream bed	bools from road culverts or storm water pipes) (Check ONLY one box): 5 cm - 10 cm [15 pts] < 5 cm [5pts]	ool Depth Max = 30		
	BANK FULL WIDTH (Measured as > 4.0 meters (> 13') [30 pts] > 3.0 m - 4.0 m (> 9' 7"- 13') [25 pts] > 1.5 m - 3.0 m (> 4' 8" - 9' 7") [20 p	► > 1.0 m - 1.5 m (> 3' 3" - 4' 8")[15 pts] ► 1.0 m (≤ 3' 3")[5 pts]	Bankfull Width Max=30		
		This information <u>must</u> also be completed			
	L R (Per Bank) ✓ ✓ Wide >10m ✓ ✓ Moderate 5-10m ✓ ✓ Narrow <5m	DODPLAIN QUALITY * NOTE: River Left (L) and Right (R) as looking downstream * FLOODPLAIN QUALITY (Most Predominant per Bank) L R Mature Forest, Wetland Conservation Tillage Immature Forest, Shrub or Old Field Urban or Industrial Residential, Park, New Field Open Pasture, Row Crop Fenced Pasture Mining or Construction			
	COMMENTS	Moist Channel, isolated pools, no flow (intermittent)d pools (interstitial)Image: Construction of the pools o			
	None [0.5 [STREAM GRADIENT ESTIMATE	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$			
	at (0.5 ft/100 ft) Flat to Moderate	e Moderate (2 ft/100 ft) Moderate to Severe Severe (10 ft/100 ft	.)		

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QHEI PERFORMED? Yes Vo QHEI Score	(If Yes, Attach Completed QHEI form)		
DOWNSTREAM DESIGNATED USE(S)			
WWH Name: Elkhorn Creek	Distance from Evaluated Stream 1.01 mi		
CWH Name:	Distance from Evaluated Stream		
EWH Name:	Distance from Evaluated Stream		
MAPPING: ATTACH COPIES OF MAPS, INCLUDING THE EN	TIRE WATERSHED AREA. CLEARLY MARK THE SITE LOCATION.		
USGS Quadrangle Name: New Paris NRC	S Soil Map Page: NRCS Soil Map Stream Order:		
County: Preble Towns	hip/City: Jackson		
MISCELLANEOUS			
Base Flow Conditions? (Y/N): N Date of last precipitation: 6	/12/2023 Quantity: ~0.4		
Photo-documentation Notes: Y			
Elevated Turbidity? (Y/N): <u>N</u> Canopy (% open): <u>100</u>			
Were samples collected for water chemistry? (Y/N): <u>N</u>	.ab Sample # or ID (attach results):		
Field Measures: Temp (°C) N Dissolved Oxygen (mg/l)	pH (S.U.) N/A Conductivity (umhos/cm) N		
Is the sampling reach representative of the stream (Y/N) \underline{Y} If r	ot, explain:		
Additional comments/description of pollution impacts:			
BIOLOGICAL OBS (Record all observa			
Fish Observed? (Y/N) N Species observed (if known): Frogs or Tadpoles Observed? (Y/N) N Species observed (if known):			
Salamanders Observed? (Y/N) <u>N</u> Species observed (if known):			
Aquatic Macroinvertebrates Observed? (Y/N) N Species obse	rved (if known):		
Comments Regarding Biology:			

DRAWING AND NARRATIVE DESCRIPTION OF STREAM REACH (This must be completed)

55J-004	Ag Field		Ag field
OTT TO FIRTH CA	E.		
	CCX CCX		
Ú.	top Penge h	84	
	Den F		Paint Rd.

Headwater Habitat Evaluation Index Field Form HHEI Score (sum of metrics 1+2+3)	66
SITE NAME/LOCATION SSJ-005 UNT to Elkhorn Creek SITE NUMBER SSJ-005 RIVER BASIN Lower Great Miami, Indiana, Ohio RIVER CODE DRAINAGE AREA (mi ²) 0. LENGTH OF STREAM REACH (ft) 200 LAT 39.81139 LONG -84.81048 RIVER MILE DATE 6/16/20223 SCORER SJ COMMENTS Intermittent NOTE: Complete All Items On This Form - Refer to "Headwater Habitat Evaluation Index Field Manual" for Inst STREAM CHANNEL MODIFICATIONS: NONE / NATURAL CHANNEL RECOVERED RECOVERING RECENT OR N	tructions
1. SUBSTRATE (Estimate percent of every type present). Check ONLY two predominant substrate TYPE boxes. (Max of 32). Add total number of significant substrate types found (Max of 8). Final metric score is sum of boxes A & B	HHEI Metric Points Substrate Max = 40 21 A + B
2. Maximum Pool Depth (Measure the maximum pool depth within the 61 meter (200 feet) evaluation reach at the time of evaluation. Avoid plunge pools from road culverts or storm water pipes) (Check ONLY one box): > 30 centimeters [20 pts] 5 cm - 10 cm [15 pts] > 22.5 - 30 cm [30 pts] 5 cm [5pts] > 10 - 22.5 cm [25 pts] NO WATER OR MOIST CHANNEL [0pts] COMMENTS	Pool Depth Max = 30
3. BANK FULL WIDTH (Measured as the average of 3 - 4 measurements) (Check ONLY one box): □ > 4.0 meters (> 13') [30 pts] > 3.0 m - 4.0 m (> 9' 7" - 13') [25 pts] > 1.5 m - 3.0 m (> 4' 8" - 9' 7") [20 pts] COMMENTS AVERAGE BANKFULL WIDTH (meters) 2.72	Bankfull Width Max=30 20
This information <u>must</u> also be completed RIPARIAN ZONE AND FLOODPLAIN QUALITY ★ NOTE: River Left (L) and Right (R) as looking downstream★	
RIPARIAN WIDTH FLOODPLAIN QUALITY (Most Predominant per Bank) L R L R Image: Imag	ор
COMMENTS FLOW REGIME (At Time of Evaluation) (Check ONLY one box): Stream Flowing Subsurface flow with isolated pools (interstitial) COMMENTS Flowing at time of assessment; Dry channel in Late Summer. SINUOSITY (Number of bends per 61 m (200 ft) of channel) (Check ONLY one box):	
None 1.0 2.0 3.0 0.5 \checkmark 1.5 2.5 >3	
STREAM GRADIENT ESTIMATE Flat (0.5 ft/100 ft) Flat (0.5 ft/100 ft) Moderate (2 ft/100 ft) Moderate to Severe	100 ft)

DOWNSTREAM DESIGNATED USE(S)	
WWH Name: Elkhorn Creek	Distance from Evaluated Stream 0.7 mi
CWH Name:	Distance from Evaluated Stream
EWH Name:	Distance from Evaluated Stream
MAPPING: ATTACH COPIES OF MAPS, INCLU	JDING THE <u>ENTIRE</u> WATERSHED AREA. CLEARLY MARK THE SITE LOCATION.
USGS Quadrangle Name: <u>New Paris</u>	NRCS Soil Map Page: NRCS Soil Map Stream Order:
County: Preble	Township/City: Jackson
MISCELLANEOUS	
Base Flow Conditions? (Y/N): <u>N</u> Date of last p	recipitation: <u>6/12/2023</u> Quantity: <u>~0.4</u>
Photo-documentation Notes: Y	
ElevatedTurbidity?(Y/N): <u>N</u> Canopy (% o	pen): <u>20%</u>
Were samples collected for water chemistry? (Y/N):	N Lab Sample # or ID (attach results):
Field Measures: Temp (°C) <u>N</u> Dissolved Oxyg	en (mg/l) <u>N</u> pH (S.U.) <u>7.50</u> Conductivity (umhos/cm) <u>N</u>
Is the sampling reach representative of the stream (Y	/N) <u>Y</u> If not, explain:
Additional comments/description of pollution impacts:	receives agricultural drainage; Bridge crossing
BIOL	OGICAL OBSERVATIONS
	ecord all observations below)
Fish Observed? (Y/N) <u>N</u> Species observed (if	known):
	observed (if known):
Salamanders Observed? (Y/N) <u>N</u> Species obse	rved (if known):
Aquatic Macroinvertebrates Observed? (Y/N) N	Species observed (if known):
Comments Regarding Biology:	

255-005 Ag 1	seld and	when wet	
17.	SPOT Just to	Dense Woods	woods
	/ Bridge /		cex Rd.
Ay field	E Cart	Mg field	

Headwater Habitat Evaluation Index Field Form HHEI Score (sum of metrics 1+2+3)	24
SITE NAME/LOCATION SSJ-006 UNT to Elkhorn Creek SITE NUMBER SSJ-006 RIVER BASIN Lower Great Miami, Indiana, Ohio RIVER CODE DRAINAGE AREA (mi²) 0.0 LENGTH OF STREAM REACH (ft) 200 LAT 39.8196 LONG -84.7490 RIVER MILE DATE 6/12/20223 SCORER SJ COMMENTS ephemeral in wood lot RIVER MILE NOTE: Complete All Items On This Form - Refer to "Headwater Habitat Evaluation Index Field Manual" for Inst STREAM CHANNEL MODIFICATIONS: NONE / NATURAL CHANNEL RECOVERED RECOVERING RECENT OR N	ructions
1. SUBSTRATE (Estimate percent of every type present). Check ONLY two predominant substrate TYPE boxes. (Max of 32). Add total number of significant substrate types found (Max of 8). Final metric score is sum of boxes A & B <u>TYPE</u> <u>PERCENT</u> <u>TYPE</u> <u>PERCENT</u> <u>PERCENT</u> BLDR SLABS [16 pts] BOULDER (>256 mm)[16 pts] SILT [3 pt] <u>EAF PACKWOODY DEBRIS[3 pts]</u> 55 BEDROCK [16 pts] Image: COBBLE (65-256 mm)[12 pts] Image: COBBLE (65-256 mm)[12 pts] Image: COBBLE (65-256 mm)[12 pts] Image: COBBLE (2-64 mm)[9 pts] Image: COBBLE (2-64 mm)[9 pts] Image: COBBLE (000000000000000000000000000000000000	HHEI Metric Points Substrate Max = 40 9 A + B
2. Maximum Pool Depth (Measure the maximum pool depth within the 61 meter (200 feet) evaluation reach at the time of evaluation. Avoid plunge pools from road culverts or storm water pipes) (Check ONLY one box): 30 centimeters [20 pts] 5 cm - 10 cm [15 pts] > 22.5 - 30 cm [30 pts] 5 cm [5pts] > 10 - 22.5 cm [25 pts] Maximum Pool Depth (centimeters): 0 MAXIMUM POOL DEPTH (centimeters):	Pool Depth Max = 30
3. BANK FULL WIDTH (Measured as the average of 3 - 4 measurements) (Check ONLY one box): → 4.0 meters (> 13') [30 pts] → 3.0 m - 4.0 m (> 9' 7"- 13') [25 pts] → 1.5 m - 3.0 m (> 4' 8" - 9' 7") [20 pts] COMMENTS	Bankfull Width Max=30
This information <u>must</u> also be completed	
RIPARIAN ZONE AND FLOODPLAIN QUALITY * NOTE: River Left (L) and Right (R) as looking downstream * RIPARIAN WIDTH FLOODPLAIN QUALITY (Most Predominant per Bank) L R (Per Bank) L R V Wide >10m Mature Forest, Wetland Conservation Tillage Moderate 5-10m Immature Forest, Shrub or Old Field Urban or Industrial Narrow <5m	ор
FLOW REGIME (At Time of Evaluation) (Check ONLY one box): Stream Flowing Moist Channel, isolated pools, no flow (intermitte Subsurface flow with isolated pools (interstitial) Image: Comment of the provided and the provi	
None 1.0 2.0 2.0 3.0 0.5 1.5 2.5 >3 STREAM GRADIENT ESTIMATE	
□ Flat (0.5 ft/100 ft) □ Moderate (2 ft/100 ft) □ Moderate to Severe □ Severe (10 ft/10 ft)	00 ft)

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QHEI PERFORMED? 🗌 Yes 🖬 No QHEI	Score (If Yes, Attach Completed QHEI form)
DOWNSTREAM DESIGNATED USE(S)	
	Distance from Evaluated Stream 0.15 mi
	Distance from Evaluated Stream
EWH Name:	Distance from Evaluated Stream
MAPPING: ATTACH COPIES OF MAPS, INCLU	JDING THE <u>ENTIRE</u> WATERSHED AREA. CLEARLY MARK THE SITE LOCATION.
USGS Quadrangle Name: Eaton North	NRCS Soil Map Page: NRCS Soil Map Stream Order:
County: Preble	Township/City:
MISCELLANEOUS	
Base Flow Conditions? (Y/N): N Date of last pr	recipitation: <u>6/12/2023</u> Quantity: <u>~0.4</u>
Photo-documentation Notes: Y	
ElevatedTurbidity?(Y/N): <u>N</u> Canopy (% or	ben): <u>0%</u>
Were samples collected for water chemistry? (Y/N): _	N Lab Sample # or ID (attach results):
	en (mg/l) <u>N</u> pH (S.U.) <u>N/A</u> Conductivity (umhos/cm) N
Is the sampling reach representative of the stream (Y/	N) <u>Y</u> If not, explain:
Additional comments/description of pollution impacts:	Receives roadside drainage
BIOLO	OGICAL OBSERVATIONS
(Red	cord all observations below)
Fish Observed? (Y/N) N Species observed (if I	known):
	observed (if known):
Salamanders Observed? (Y/N) <u>N</u> Species obser	rved (if known):
	Species observed (if known):
Aquatic Macroinvertebrates Observed? (Y/N) <u>N</u>	
Aquatic Macroinvertebrates Observed? (Y/N) <u>N</u>	

555-006 Hg Fields	Ag Fields
Murred Rd.	My murray Rd
Dense woods	Denne Woods

Headwater Habitat Evaluation Index Field Form HHEI Score (sum of metrics 1+2+3)	23
SITE NAME/LOCATION SSJ-019 UNT to Elkhorn Creek SITE NUMBER SSJ-019 RIVER BASIN Lower Great Miami, Indiana, Ohio RIVER CODE DRAINAGE AREA (mi²) LENGTH OF STREAM REACH (ft) 200 LAT 39.81200 LONG -84.78776 RIVER MILE _ DATE 10/18/2023 SCORER SJ COMMENTS straight channel; Ag Drainage; ephemeral NOTE: Complete All Items On This Form - Refer to "Headwater Habitat Evaluation Index Field Manual" for In STREAM CHANNEL MODIFICATIONS: NONE / NATURAL CHANNEL RECOVERED RECOVERING RECOVERING RECENT OF	structions
1. SUBSTRATE (Estimate percent of every type present). Check ONLY two predominant substrate TYPE boxes. (Max of 32). Add total number of significant substrate types found (Max of 8). Final metric score is sum of boxes A & B YPE BLDR SLABS [16 pts] PERCENT YPE BOULDER (>256 mm)[16 pts] SILT [3 pt] 20 BEDROCK [16 pts] SILT [3 pt] 20 COBBLE (65-256 mm)[12 pts] 5 CLAY or HARDPAN [0 pt] 50 GRAVEL (2-64 mm) [9 pts] 15 MUCK [0 pts] 50 SAND (<2 mm) [6 pts]	HHEI Metric Points Substrate Max = 40 8 A + B
2. Maximum Pool Depth (Measure the maximum pool depth within the 61 meter (200 feet) evaluation reach at the time of evaluation. Avoid plunge pools from road culverts or storm water pipes) (Check ONLY one box): > 30 centimeters [20 pts] 5 cm - 10 cm [15 pts] > 22.5 - 30 cm [30 pts] 5 cm [5pts] > 10 - 22.5 cm [25 pts] NO WATER OR MOIST CHANNEL [0pts] COMMENTS Dry Channel at time of assessment 3. BANK FULL WIDTH (Measured as the average of 3 - 4 measurements) (Check ONLY one box): > 4.0 meters (> 13') [30 pts] > 1.0 m - 1.5 m (> 3' 3" - 4' 8")[15 pts] > 3.0 m - 4.0 m (> 9' 7" - 13')[25 pts] 1 on (≤ 3' 3")[5 pts]	Pool Depth Max = 30 O Bankfull Width Max=30
> 1.5 m - 3.0 m (> 4' 8" - 9' 7") [20 pts] COMMENTS	15
This information must also be completed RIPARIAN ZONE AND FLOODPLAIN QUALITY * NOTE: River Left (L) and Right (R) as looking downstream RIPARIAN WIDTH FLOODPLAIN QUALITY (Most Predominant per Bank) L R (Per Bank) L R Hoderate 5-10m Hoderate 5-10m Hommature Forest, Shrub or Old Field Hommature Forest, Shrub or Old Field Hommature Row with a construction Narrow <5m	Crop on
Flat (0.5 ft/100 ft) Flat to Moderate Moderate (2 ft/100 ft) Moderate to Severe (10	it/100 ft)

QHEI PERFORMED? Yes 🖬 No QHEI Sco	ore (If Yes, Attach Completed QHEI form)
DOWNSTREAM DESIGNATED USE(S)	
WWH Name: Elkhorn Creek	Distance from Evaluated Stream 0.31 mi
CWH Name:	
EWH Name:	Distance from Evaluated Stream
MAPPING: ATTACH COPIES OF MAPS, INCLUDIN	G THE <u>ENTIRE</u> WATERSHED AREA. CLEARLY MARK THE SITE LOCATION.
USGS Quadrangle Name: <u>New Paris</u>	NRCS Soil Map Page: NRCS Soil Map Stream Order:
County: Preble	Township/City:
MISCELLANEOUS	
Base Flow Conditions? (Y/N): Y Date of last precip	pitation: 10/14/2023 Quantity: ~0.33
Photo-documentation Notes: Y	
ElevatedTurbidity?(Y/N): <u>N</u> Canopy (% open)	. 100%
Were samples collected for water chemistry? (Y/N): N	Lab Sample # or ID (attach results):
Field Measures: Temp (°C) N Dissolved Oxygen (r	mg/l) <u>N</u> pH (S.U.) <u>N/A</u> Conductivity (umhos/cm) <u>N</u>
Is the sampling reach representative of the stream (Y/N) $\ .$	Y If not, explain:
Additional comments/description of pollution impacts: Rec	ceives Agricultural run-off
BIOLOGI	CAL OBSERVATIONS
× ×	all observations below)
Fish Observed? (Y/N) N Species observed (if know	wn):
	erved (if known):
Salamanders Observed? (Y/N) N Species observed	l (if known):
Aquatic Macroinvertebrates Observed? (Y/N) N Spe	cies observed (if known):
Comments Regarding Biology:	

DRAWING AND NARRATIVE DESCRIPTION OF STREAM REACH (This must be completed)

55J-019 V Ag field My field Sva V 12.15 Gran

Arcadis U.S., Inc. 4665 Cornell Road, Suite 200 Cincinnati Ohio 45241 Phone: 513 860 8700 Fax: 513 860 8701 www.arcadis.com

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

12/18/2023 3:50:48 PM

in

Case No(s). 22-0627-EL-BTX

Summary: Application Application for a Certificate of Compatibility and Public Need for the West Manchester–Blazer–Hodgin 138kV Transmission Line Project (Part 6) electronically filed by Mr. Christopher C. Hollon on behalf of The Dayton Power and Light Company d/b/a AES Ohio.